

56000067

Overrein, Oystein.

Svalbard; et av de best forvaltede villmarksområder i verden? Prinsipper for god villmarksforvaltning [Svalbard; is this the best managed wilderness in the world? Principles for good wilderness management]: **Rapportserie - Norsk Polarinstitutt**, 116, 52 p. (English sum.), illus. incl. 1 table, geol. sketch map, 46 ref., 2001.

56000098

Caroli, Sergio (Istituto Superiore di Sanita, Rome, Italy); Cescon, Paolo and Walton, David W. H., editors.

Environmental contamination in Antarctic; a challenge to analytical chemistry: Elsevier Science, Kidlington, United Kingdom, 406 p., illus. incl. tables, sketch maps, 2001. ISBN: 0-08-043199-2. Individual papers are cited separately.

56000099

Caroli, Sergio (Istituto Superiore di Sanita, Rome, Italy).

Environmental chemistry in Antarctica; the quest for accuracy: *in* Environmental contamination in Antarctic; a challenge to analytical chemistry (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 1-32, illus. incl. 3 tables, sketch map, 84 ref., 2001.

56000100

Walton, David W. H. (British Antarctic Survey, Cambridge, United Kingdom); Scarponi, Giuseppe and Cescon, Paolo.

A scientific framework for environmental monitoring in Antarctica: *in* Environmental contamination in Antarctic; a challenge to analytical chemistry (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 33-53, illus. incl. 7 tables, 38 ref., 2001.

56000101

Barbante, Carlo (Ca' Foscari University of Venice, Centre of Chemistry and Environmental Technology, Venice, Italy); Turetta, Clara; Capadaglio, Gabriele; Cescon, Paolo; Hong, Sungmin; Candelone, Jean-Pierre; van de Velde, Katja and Boutron, Claude F.

Trace element determination in polar snow and ice; an overview of the analytical processes and application in environmental and paleoclimatic studies: *in* Environmental contamination in Antarctic; a challenge to analytical chemistry (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 55-86, illus. incl. 5 tables, sketch maps, 103 ref., 2001.

56000102

Rosman, Kevin J. R. (Curtin University of Technology, Department of Applied Physics, Perth, Australia).

Natural isotopic variations in lead in polar snow and ice as indicators of source regions: *in* Environmental contamination in Antarctic; a challenge to analytical chemistry (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 87-106, illus. incl. 2 tables, sketch maps, 60 ref., 2001.

56000103

Capodaglio, Gabriele (Ca' Foscari University of Venice, Centre of Chemistry and Environmental Technology, Venice, Italy); Barbante, Carlo and Cescon, Paolo.

Trace metals in Antarctic sea water: *in* Environmental contamination in Antarctic; a challenge to analytical chemistry (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 107-154, illus. incl. 4 tables, sketch map, 164 ref., 2001.

56000104

Vodopivez, Cristian (Instituto Antártico Argentino, Buenos Aires, Argentina); Smichowski, Patricia and Marcovecchio, Jorge.

Trace metals monitoring as a tool for characterization of Antarctic ecosystems and environmental management; the Argentine programme at Jubany Station: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 155-180, illus. incl. 14 tables, sketch map, 76 ref., 2001.

56000105

Heumann, Klaus Gustav (Johannes Gutenberg University of Mainz, Institute of Inorganic Chemistry and Analytical Chemistry, Mainz, Federal Republic of Germany).

Biomethylation in the Southern Ocean and its contribution to the geochemical cycle of trace elements in Antarctica: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 181-217, illus. incl. 7 tables, 73 ref., 2001.

56000106

Frache, Roberto (University of Genoa, Department of Chemistry and Industrial Chemistry, Genoa, Italy); Abelmanoschi, Maria Luisa; Baffi, Franca; Ianni, Carmela; Magi, Emanuele and Soggia, Francesco.

Trace metals in particulate and sediments: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 219-236, illus. incl. 6 tables, 62 ref., 2001.

56000107

Fuoco, Roger (University of Pisa, Department of Chemistry and Industrial Chemistry, Pisa, Italy) and Ceccarini, Alessio.

Polychlorobiphenyls in Antarctic matrices: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 237-273, illus. incl. 15 tables, sketch map, 89 ref., 2001.

56000108

Caimi, Stefano (Istituto Superiore di Sanita, Rome, Italy); Senofonte, Oreste and Caroli, Sergio.

Certified reference materials in Antarctic matrices; development and use: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 275-292, illus. incl. 9 tables, 31 ref., 2001.

56000109

Pauwels, Jean (European Commission, Institute Reference Materials and Measurements, Geel, Belgium); Kramer, Gerard N. and Grobecker, Karl-Heinz.

Preparation and production control of the Certified Reference Material of Antarctic sediment: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 293-303, illus. incl. 5 tables, 9 ref., 2001.

56000110

Soggia, Francesco (University of Genoa, Department of Chemistry and Industrial Chemistry, Genoa, Italy); Ianni, Carmela; Magi, Emanuele and Frache, Roberto.

Antarctic environmental specimen bank: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 305-325, illus. incl. 5 tables, sketch map, 60 ref., 2001.

56000111

Champ, Michael A. (Texas A&M University, Arlington, VA); Cantillo, Adriana Y. and Lauenstein, Gunnar G.

The future role of quality assurance in monitoring and research in the Antarctic: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 327-336, illus., 25 ref., 2001.

56000112

Giuliani, Pietro (ENEA, Rome, Italy); Kuneshka, Miko and Testa, Luana.

The Italian environmental policy of research in Antarctica, with special regard to the Antarctic Treaty and the Madrid Protocol: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 337-361, illus. incl. 8 tables, geol. sketch maps, 21 ref., 2001.

56000113

Pineschi, Laura (University of Parma, Istituto di Diritto Internazionale, Parma, Italy).

The duty of prior environmental impact assessment of Antarctic activities under the Madrid Protocol and its implementation in the Italian legal system: *in Environmental contamination in Antarctic; a challenge to analytical chemistry* (Caroli, Sergio, editor; *et al.*), Elsevier Science, Kidlington, United Kingdom, p. 363-380, 76 ref., 2001.

56000261

Cremers, Jorg (Joint Research Centre of the European Commission, Ispra, Italy); Morris, Stanley; Stepanov, Igor and Bercha, Frank G.

Emergency evacuation from ships and offshore structures and survivability in ice-covered waters; current status and development: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 517-526, illus. incl. 1 table, 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

56000387

Darling, Marie (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Ice jams cause severe winter floods: **Engineer Update**, 25(1), p. 10, illus., January 2001. CRREL Report No: ERDC/CRREL MP-02-5765

56000388

Conger, Steve.

I've never seen it run THAT DIRECTION before: **The Avalanche Review**, 15(3-4), p. 1, 3-4, illus. incl. sketch map, February 1997.

56000389

Lutey, Tom (Bozeman Daily Chronicle, Bozeman, MT).

Avalanche control explosives accident at Big Sky Montana: **The Avalanche Review**, 15(3-4), p. 5, illus., February 1997.

56000390

Judd, Dan and Hogan, Denny.

France Neige trip, April 1996 GAZ.EX...a gas exploder for avalanche release; a closer look at the dragon...: **The Avalanche Review**, 15(3-4), p. 10, illus., February 1997.

56000391

Davis, Robert E.; Elder, Kelly and Howlett, Daniel.

Analysis of weather and avalanche records from Alta, Utah using classification and regression trees: **The Avalanche Review**, 15(3-4), p. 12-13, illus. incl. 2 tables, 6 ref., February 1997.

56000392

Rossi, Frank.

Simplified avalanche probeline guidon cord: **The Avalanche Review**, 15(3-4), p. 14, illus., February 1997.

56000394

Anonymous.

Researchers uncover the effects of supercooling on heave: **Civil Engineering**, 70(11), p. 28, November 2000.

56000452

Jost-Stauffer, Monika (Universität Bern, Geologisches Institut, Bern, Switzerland); Coope, G. Russell and Schlüchter, Christian.

A coleopteran fauna from the middle Würm (Weichselian) of Switzerland and its bearing on palaeobiogeography, palaeoclimate and palaeoecology: **JQS. Journal of Quaternary Science**, 16(3), p. 257-268, illus. incl. 2 plates, 1 table, geol. sketch maps, 48 ref., March 2001.

56000453

Bos, Johanna A. A. (Vrije Universiteit, Department of Quaternary Geology and Geomorphology, Amsterdam, Netherlands); Bohncke, Sjoerd J. P.; Kasse, Cornelis and Vandenberghe, Jef.

Vegetation and climate during the Weichselian early glacial and pleniglacial in the Niederlausitz, eastern Germany; macrofossil and pollen evidence: **JQS. Journal of Quaternary Science**, 16(3), p. 269-289, illus. incl. 3 tables, geol. sketch map, 94 ref., March 2001.

56000454

Wenzens, G. (Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Federal Republic of Germany); McCulloch, R. D. and Sugden, D. E.

Climatic inferences from glacial and palaeoecological evidence at the last glacial termination, southern South America; comment and reply: **JQS. Journal of Quaternary Science**, 16(3), p. 291-294, illus. incl. geol. sketch map, 18 ref., March 2001. For reference to original see McCulloch, R. D., et al, *Jour. Quat. Sci.*, Vol. 15, p. 409-417, 2000.

56000525

Harris, Charles, chairperson and Rea, Brice, compiler.

1st European permafrost conference; abstracts: International Permafrost Association, International, 114 p., illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy. Individual abstracts are cited separately.

56000647

Ramos, Miguel (Universidad de Alcalá de Henares, Departamento de Física (Grupo GIFA), Madrid, Spain); Tanarro, L. M.; Crespo, F.; Vicente, A.; Gómez, A.; Salvador, F. and Palacios, D.

The possible occurrence of permafrost in Corral del Veleta (Sierra Nevada, Spain) according to thermal prospecting methods [abstr.]: in 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 75-76, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

56000711

Edwards, Ylva and Westergren, Pereric.

Polymer modified waterproofing and pavement system for the High Coast Bridge in Sweden; research, testing and experience: **VTI Rappport**, Rep. No. 430A, 76 p., illus. incl. tables, 9 ref., 2001. Includes appendices.

56000805

Albert, Don (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Gilligan, Tom.

SYDET; tropical environment test site suitability assessment: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-01-42, unpaginated, November 8, 1999. Prepared for PM-Mines, Countermines and Demolitions; limited distribution.

56000806

Collins, Charles M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Cate, David W., editors.

Remediating and monitoring white phosphorus contamination at Eagle River Flats (operable unit C), Fort Richardson, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-01-41, unpaginated, August 2001. Limited distribution.

56000809

Corsi, Steven R. (U. S. Geological Survey, Water Resources Division, Middleton, WI); Hall, David W. and Geis, Steven W.

Aircraft and runway deicers at General International Airport, Milwaukee, Wisconsin, USA; 2, Toxicity of aircraft and runway deicers: **Environmental Toxicology and Chemistry**, 20(7), p. 1483-1490, illus. incl. 3 tables, 17 ref., 2000.

56000810

Corsi, Steven R. (U. S. Geological Survey, Water Resources Division, Middleton, WI); Booth, Nathaniel L. and Hall, David W.

Aircraft and runway deicers at General Mitchell International Airport, Milwaukee, Wisconsin, USA; 1, Biochemical oxygen demand and dissolved oxygen in receiving streams: **Environmental Toxicology and Chemistry**, 20(7), p. 1474-1482, illus. incl. 4 tables, sketch map, 22 ref., 2000.

56000813

Anonymous.

Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C: **Polar Atmospheres (Print)**, 2, 102 p., illus. incl. tables, sketch maps, 2001. *Meeting*: Apr. 20, 2001, Rome, Italy. Individual papers are cited separately.

56000814

Petré, Paul (CNRM, France) and Argentini, Stefania.

The Dome C tropospheric program: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 3-15, illus. incl. 1 table, sketch map, 28 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000815

Vitale, Vito (ISAO, Bologna, Italy); Georgiadis, Teodoro and Genton, Christophe.

Highly accurate surface-based radiation measurements; implementation of a BSRN station at Dome Concordia: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 15-25, illus. incl. 3 tables, sketch map, 10 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000816

Lavagnini, Alfredo (IFA, Rome, Italy); Jorgensen, Hans E. and Sempreviva, A. M.

Investigation of the fine structure of the stable stratified boundary layer at Dome C: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 27-33, illus. incl. 1 table, 12 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000817

Vitale, Vito (ISAO, Bologna, Italy); Del Guasta, M. and Facchini, Cristina.

Plans for Picasso-Cena lidar calibration and validation activities at Dome Concordia station: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 35-45, illus. incl. 1 table, 16 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000818

Giovanelli, Giorgio (ISAO, Institute of Atmospheric and Oceanic Science, Bologna, Italy); Bortoli, D.; Kostadinov, I.; Petritoli, A. and Ravagnani, F.

Thin optical depth stratospheric gases detection with ground-based off-axis UV-visible spectrometer at Dome Concordia NDSC station: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 47-54, illus., 13 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000819

Rafanelli, Claudio (Istituto di Fisica dell'Atmosfera Area della Ricerca "Roma - Tor Vergata", Rome, Italy).

The evolution of the UV and ozone hole within the polar vortex by using high accuracy spectrophotometers: *in* Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, **Polar Atmospheres (Print)**, 2, p. 55-60, illus., 7 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000820

Cevolani, G. (Instituto ISAO, Bologna, Italy); Hajduk, A.; Porubcan, V.; Pupillo, G. and Trivellone, G.

A VHF radar to measure ozone variations in the Antarctic mesosphere: *in Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, Polar Atmospheres (Print)*, 2, p. 61-66, illus. incl. 1 table, 8 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000821

Udisti, Roberto (University of Florence, Department of Chemistry, Florence, Italy).

Preliminary proposal for a chemical approach to atmosphere and atmosphere/snow interaction studies at Dome Concordia station (Dome C - East Antarctica): *in Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, Polar Atmospheres (Print)*, 2, p. 67-80, 15 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000822

Allegrini, Ivo (Istituto Inquinamento Atmosferico, Rome, Italy).

Chemical aspects of the atmosphere-surface interaction: *in Physics and chemistry of the atmosphere workshop; atmospheric sciences at Dome C, Polar Atmospheres (Print)*, 2, p. 81-86, 16 ref., 2001. *Meeting*: Apr. 20, 2001, Rome, Italy.

56000884

Maslowski, Wieslaw, chairperson (Naval Postgraduate School, Department of Oceanography, Monterey, CA).

Abstracts from the Arctic forum 2000; the Arctic Research Consortium of the U.S. (ARCUS): **Abstracts from the Arctic Forum**, 2000, 97 p., May 2000. *Meeting*: May 16-20, 2000, Washington, DC. Individual abstracts within scope are cited separately.
publisher: <http://www.arcus.org>

56000885

Einarsson, Pall (University of Iceland, Science Institute, Reykjavik, Iceland) and Brandsdottir, Bryndis.

The Katla subglacial volcano; earthquakes and evidence for crustal magma chambers [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 36-37, 11 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000886

Hall, Brenda L. (University of Maine, Orono, ME).

Extensive lakes in the Dry Valleys (Antarctica) during the last glacial maximum; implications for past lakes on Mars [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 61, 9 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000887

Head, J. W. (Brown University, Department of Geological Sciences, Providence, RI).

Evidence for geologically recent lateral migration of volatile-rich polar layered deposits [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 66-67, illus., 13 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000888

Keller, H. U. (Max-Planck-Institut für Aeronomie, Katlenburg-Lindau, Federal Republic of Germany); Skorov, Yu. V.; Markiewicz, W. J. and Basilevsky, A. T.

Stability of water ice beneath porous dust layers of the Martian south polar terrain [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 90, illus., 3 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000889

Larsen, J. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark).

A temperature, scarp and ice flow model of the northern remnant ice cap on Mars [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 104, 4 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000890

Mangold, N. (Université de Paris-Sud, Orsay, France); Baratoux, D. and Frey, V.

Slope analysis of scarps in Deuteronilus Mensae from MOLA data and Viking D.E.M.; evidence for landslides controlled by ground ice [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 121-122, illus. incl. 1 table, 8 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000891

Musselwhite, D. S. (University of Arizona, Lunar and Planetary Laboratory, Tucson, AZ);

Boynton, W. V.; Ming, D. W.; Quadlander, G.; Kerry, K. E.; Bode, R. C.; Bailey, S. H.;

Ward, M. G.; Pathare, Asmin V.; Lorenz, Ralph D.; Kring, D. A.; Lauer, H. V., Jr. and

Morris, R. V.

Differential scanning calorimetry and evolved gas analysis at Mars ambient conditions using the thermal evolved gas analyser (TEGA) [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 133-134, illus. incl. 2 tables, 7 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000892

Rubincam, D. P. (NASA's Goddard Space Flight Center, Geodynamics Branch, Greenbelt, MD).

Mars secular obliquity decrease and the layered terrain [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 151, 1 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000893

Sakimoto, S. E. H. (NASA, Goddard Space Flight Center, USRA, Greenbelt, MD); Garvin, J. B.; Wong, M. and Wright, H.

Topography of small volcanoes at the margin of the Mars north polar cap [abstr.]: *in Second international conference on Mars polar science and exploration* (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 152-153, illus., 12 ref., 2000. *Meeting*: Aug. 21-25, 2000, Reykjavik, Iceland.

56000894

Surdyk, S. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan). Detection of surface temperature changes from passive microwave data over Antarctic ice sheet; a possible application on Mars [abstr.]: *in* Second international conference on Mars polar science and exploration (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 164-165, illus., 3 ref., 2000. *Meeting:* Aug. 21-25, 2000, Reykjavik, Iceland.

56000895

Thorsteinsson, Thorstein (University of Iceland, Department of Geophysics, Reykjavik, Iceland).

Estimating the evolution of crystal size in the north polar cap on Mars: *in* Second international conference on Mars polar science and exploration (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 173-174, 1 table, 15 ref., 2000. *Meeting:* Aug. 21-25, 2000, Reykjavik, Iceland.

56000896

Wilcox, Brian H. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA) and Morgan, Albert R.

A subsurface explorer for deep underground exploration on Mars [abstr.]: *in* Second international conference on Mars polar science and exploration (Bjornsson, Helgi, convener; *et al.*), **LPI Contribution**, Rep. No. 1057, p. 179, 2000. *Meeting:* Aug. 21-25, 2000, Reykjavik, Iceland.

56000897

Backstrom, Denise L. (Goteborg University, Marine Geology, Goteborg, Sweden).

Late Quaternary paleoceanography and paleoclimate of the North Atlantic Ocean: **Earth Sciences Centre, Goteborg University.** A, A60, variously paginated, geol. sketch maps, 40 ref., Doctoral, 2000, Goteborg University, Goteborg.

56000898

Aloseviciene, Grazina (Lietuvos Hidrometeorologijos Tarnyba, Vilnius, Lithuania).

Smarkus speigai Lietuvoje [Severe frosts in Lithuania]: *in* Geografijos metrastis, XXXIII, **Geografijos Metrastis**, 33, p. 81-89 (English sum.), illus. incl. 5 tables, sketch maps, 3 ref., 2000.

56000899

Svedas, Kestutis (Vilniaus Pedagoginis Universitetas, Gamtos Mokslu Fakultetas, Vilnius, Lithuania).

Periglacialines zonas reljefo formu identifikavimo problemos [Problems in identifying landscape forms in periglacial zones]: *in* Geografijos metrastis, XXXIII, **Geografijos Metrastis**, 33, p. 451-457 (English sum.), illus. incl. block diag., 5 ref., 2000.

56000900

Iwata, Shuji (Tokyo Metropolitan University, Department of Geography, Tokyo, Japan).

Origin of the term "Hyoga" (glacier): **Seppyo = Journal of the Japanese Society of Snow and Ice**, 62(2), p. 129-136, (Japanese) (English sum.), illus. incl. 2 tables, 28 ref., March 2000.

56000901

Yamada, Tomomi (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan).

Glacier lake outburst floods in Nepal: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 62(2), p. 137-147, (Japanese) (English sum.), illus. incl. 2 tables, geol. sketch map, 33 ref., March 2000.

56000902

Magnus, Sabine (Institut für Geowissenschaften, Kiel, Federal Republic of Germany).

Benthische Foraminiferen im Boreas-Becken, Grönlandsee; Verbreitung und paläo-ozeanographische Rekonstruktionen für die letzten 450.000 Jahre [Benthic Foraminifera in the Boreas Basin, Greenland Sea; distribution and paleoceanographic reconstructions for the last 450,000 years]: **Berichte zur Polarforschung**, 373, 137 p. (English sum.), illus. incl. 11 tables, sketch maps, 176 ref., 2000. Includes appendices.

56000903

Alexeeva, Nadezhda V. (Moscow State University, Department of Geography, Moscow, Russian Federation) and Erbajeva, Margarita A.

Pleistocene permafrost in Western Transbaikalia: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 5-12, illus. incl. strat. cols., 1 table, geol. sketch maps, 29 ref., 2000.

56000904

Hooton, R. D. (University of Toronto, Department of Civil Engineering, Toronto, ON, Canada); Thomas, M. D. A. and Stanish, K.

Prediction of chloride penetration in concrete: **Publication - Federal Highway Administration**, Rep. No. FHWA-RD-00-142, 419 p., illus. incl. tables, 62 ref., October 2001. Final report.

56000905

Loset, Sveinung (Norwegian Institute of Technology, Trondheim, Norway) and Tesaker, Einar, chairpersons.

IAHR 1994; proceedings of the 12th international symposium on Ice: **Proceedings of the ... International Symposium on Ice**, 12, Vol. 3, p. 950-1126, illus., 1994. ISBN: 82-782-009-6; 82-7482-011-8; 82-595-8799-8. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway. Individual papers are cited separately.

56000906

Shatalina, I. N. (VNIIG, Saint Petersburg, Russian Federation).

The role of ice in diminishing pollutants: *in* IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; *et al.*), **Proceedings of the ... International Symposium on Ice**, 12, Vol. 3, p. 950-965, illus., 1994. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway.

56000907

McClimans, Thomas (Norwegian Institute of Technology, Trondheim, Norway).

Transport of pollutants in the Arctic by drift ice: *in* IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; *et al.*), **Proceedings of the ... International Symposium on Ice**, 12, Vol. 3, p. 966-971, illus. incl. sketch map, 14 ref., 1994. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway.

56000908

Kjelaas, Anton G. (Saga Petroleum, Sandvika, Norway).

Oil and ice in the Barents Sea and western-Siberia: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 972-982, illus. incl. 3 tables, sketch map, 7 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000909

Shen, Hayley H. (Clarkson University, Department of Civil and Environmental Engineering, Postdam, NY).

Broken ice fields: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 983-992, illus., 19 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000910

Hewitt, K. J. (Canadian Marine Drilling, Calgary, AB, Canada).

Molikpaq ice interactions; predicted and actual performance: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 993-1002, illus., 14 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000911

Metge, Michel (Canatec Consultants, Calgary, AB, Canada).

Hans Island revisited: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1003-1017, illus. incl. 1 table, 16 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000912

Karna, Tuomo (VTT Building Technology, Finland) and Jarvinen, Erkki.

Dynamic unloading across the face of a wide structure: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1018-1039, illus. incl. 1 table, 42 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000913

Schwarz, Joachim (Hamburgische Schiffbau-Versuchsanstalt GmbH, Hamburg, Federal Republic of Germany).

Low level ice forces: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1040-1050, 6 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway.

56000914

Cole, David M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

The effect of microstructure and temperature on the constitutive behavior of ice at low strains: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1051-1058, illus., 18 ref., 1994. *Meeting:* Aug. 23-26, 1994, Trondheim, Norway. CRREL Report No: ERDC/CRREL MP-02-5759

56000915

Hammar, Lars (Lulea University of Technology, Lulea, Sweden) and Shen, Hung Tao.
Anchor ice growth and frazil accretion: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1059-1066, illus. incl. 1 table, 9 ref., 1994. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway.

56000916

Hollmer, Alvin (New York Power Authority, Hydrology, Marcy, NY).
Operation procedures for sharing hydroelectric generation losses caused by ice in the upper Niagara River: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1068-1073, 1994. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway.

56000917

Ovsienko, S.; Zatsepa, S. and Ivchenko, A.
Oil spreading on the snow/ice surface: *in IAHR 1994; proceedings of the 12th international symposium on Ice (Loset, Sveinung, chairperson; et al.), Proceedings of the ... International Symposium on Ice*, 12, Vol. 3, p. 1074-1092, illus. incl. 1 table, 6 ref., 1994. *Meeting*: Aug. 23-26, 1994, Trondheim, Norway.

56000983

Geibert, Walter (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).
Actinium-227 als Tracer für Advektion und Mischung in der Tiefsee [Actinium-227 as a tracer for advection and mixing in the deep-sea]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 385, 112 p. (English sum.), 118 ref., 2001. Includes appendices.

56000986

Giorgi, Filippo (National Center for Atmospheric Research, Boulder, CO) and Mearns, Linda O., editors.
Regional climate modeling revisited: **Journal of Geophysical Research, D, Atmospheres**, 104(6), p. 6335-6678, illus., March 27, 1999. Individual papers within scope are cited separately.

56000987

Fahrbach, Eberhard (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany) and El Naggar, Saad, editors.
Die Expeditionen ANTARKTIS XVI/1-2 des Forschungsschiffes POLARSTERN 1998/1999 [The expeditions ANTARKTIS XVI/1-2 of the Research Vessel POLARSTERN in 1998/1999]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 380, 177 p., (English, German), illus. incl. tables, sketch maps, 2001. Includes appendices.

56001340

Whitmire, T. W. and Hightower, E. C.
Anordning vid avisning [Wide screen defrosting device]: Rep. No. 8700835-5, 13 p., illus., August 17, 1992. Available from: Sverige Patentverket, Sweden. Patent.

56001341

Weber, Theo (ETH, Wabern, Switzerland).

Stationäre Taumittelsprücheinrichtung für Strassenfahrbahnen und Flugplätze [Stationary directional spraying device for highways and runways]: Rep. No. 0-458-992-A1, 8 p., illus., May 26, 1990. *Available from:* European Patent Office, Federal Republic of Germany. Patent.

56001342

Wohlfahrt, Raimund (Spaliergasse 743, Enzesfeld, Austria).

Fahrzeugreifen [Vehicle tire]: Rep. No. 0-544-638-A1, 6 p., illus., October 14, 1992. *Available from:* European Patent Office, Federal Republic of Germany. Patent.

56001343

Hightower, E. C.

Varmevaxlare for avisnigsanordning och forfarande for avisning [Heat exchanger defrosting device and defrosting procedure]: Rep. No. 8700836-3, 9 p., illus., August 3, 1992. *Available from:* Sverige Patentverket, Sweden. Patent.

56001344

Schmidt, Alfred (GmbH, Saint Blasien, Federal Republic of Germany).

Snefreser med tilforselsanordning [Snowplow with supply regulator]: Rep. No. 8704661, 8 p., illus., September 10, 1990. *Available from:* Norge Styret for det Industrielle Rettsvern, Norway. Patent.

56001345

Lagnier, Alain (3, Impasse des Tilleuls, Romagnat, France).

Equipement pneumatique pour un vehicule roulant sur sols enneigés, verglacés [Tire equipment for a vehicle running on icy ground or snow covered surfaces]: Rep. No. PCT/FR91/00745, 9 p. (English sum.), illus., April 16, 1992. *Available from:* Organisation Mondiale de la Propriete Intellectuelle Bureau International, France. Patent.

56001346

Andersson, L. O. and Persson, S.

Intagsskydd [Intake cover]: Rep. No. 9003654, 10 p., illus., July 12, 1993. *Available from:* Sverige Patentverket, Sweden. Patent.

56001347

Robin, Jean Michael.

Dispositif pour dégivrer des surfaces vitrées [Device for deicing glass surfaces]: Rep. No. 2-664-150, 3 p., illus., July 3, 1990. *Available from:* Institut National de la Propriété Industrielle, Paris, France. Patent.

56001348

Mathieu, René

Composition déglaçante et antidérapante pour entretien des chaussées [Non-icing and non-skidding composition for maintaining pavement]: Rep. No. 2-682-682, 5 p., October 21, 1991. *Available from:* Institut National de la Propriété Industrielle, Paris, France. Patent.

56001349

Berthelon, Bernard.

Procédé et dispositif pour déclencher les avalanches [Procedure and device for starting avalanches]: Rep. No. 2-682-137, 4 p., illus., October 8, 1991. *Available from:* Institut National de la Propriété Industrielle, Paris, France. Patent.

56001350

Michoud, Vincent (Thomson-CSF, SCPI, Paris, France) and Beigbeder, Gérard.

Détecteur de givre en particulier, pour véhicule, et principalement pour aéronef [Detector of frost covering particularly for vehicles and principally for airships]: Rep. No. 0-395-479-A1, 5 p., illus., April 28, 1990. *Available from:* European Patent Office, France. Patent.

56001458

Mesnildot, François (Thomson-CSF, SCPI, Paris la Defense, France).

Réseau d'antigivrage pour antenne radar [Anti-frosting research for radar antennas]: Rep. No. 0-505-225-A1, 6 p., illus., March 3, 1992. *Available from:* European Patent Office, France. Patent.

56001459

Walter, Denis (12, rue d'Ittlenheim, Schnersheim, France).

Construction démontable telle que hall, chapiteau, tente ou analogue [Collapsable construction such as in a hall, cornice, tent or analog]: Rep. No. 0-542-654-A1, 55 p., illus., November 12, 1992. *Available from:* European Patent Office, France. Patent.

56001460

Schlaudraff, Ernst (Paul-Gerhardt-Allee 25, Munich, Federal Republic of Germany) and Seitz, Hans.

Kraftfahrzeug [Motor vehicle]: Rep. No. 0-288-770-A2, 4 p., illus., March 30, 1988. *Available from:* European Patent Office, Federal Republic of Germany. Patent.

56001461

Mangold, Christian (Schellenbergstrasse 1, Eschenlohe, Federal Republic of Germany).

Gleitschutzkette [Anti-skid chains]: Rep. No. 0-442-392-A2, 5 p., illus., February 8, 1991. *Available from:* European Patent Office, Federal Republic of Germany. Patent.

56001462

Taylor, Susan.

Isotopic evolution of a seasonal snowpack and its melt: 138 p., illus. incl. 22 tables, 33 ref., Doctoral, June 2001, Dartmouth College, Hanover, NH. Includes appendices.

56001464

Arkhipov, S. A. (Russian Academy of Science, United Institute of Geology, Geophysics and Mineralogy, Novosibirsk, Russian Federation); Gnibidenko, Z. N. and Shelkopyas, V. N.

Correlation and paleomagnetism of glacial and loess-Paleosol sequences on the West Siberian Plain: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 13-27, illus. incl. strat. cols., 1 table, sketch map, 41 ref., 2000.

56001465

Clague, John J. (Simon Fraser University, Department of Earth Sciences, Burnaby, BC, Canada).

Recognizing order in chaotic sequences of Quaternary sediments in the Canadian Cordillera: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 29-38, illus. incl. block diag., strat. cols., sketch map, 35 ref., 2000.

56001466

Clet-Pellerin, M. (CNRS, Caen, France) and Occhietti, S.

Pleistocene palynostratigraphy in the St. Lawrence Valley and middle estuary: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 39-57, illus. incl. strat. cols., 4 tables, sketch maps, 51 ref., 2000.

56001467

Cruden, D. M. (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada).

Some forms of mountain peaks in the Canadian Rockies controlled by their rock structure: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 59-65, illus., 45 ref., 2000.

56001468

Evans, M. E. (University of Alberta, Institute for Geophysical Research, Edmonton, AB, Canada) and Rokosh, C. D.

The last interglacial in the Chinese Loess Plateau; a petromagnetic investigation of samples from a north-south transect: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 77-82, illus. incl. sketch map, 25 ref., 2000.

56001469

Kalnina, Laimdota (University of Latvia, Faculty of Geographical and Earth Sciences, Riga, Latvia); Dreimanis, Aleksis and Murniece, Silvija.

Palynology and lithostratigraphy of late Elsterian to early Saalian aquatic sediments in the Ziemupe-Jurkalne area, western Latvia: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 87-109, illus. incl. sects., strat. cols., 2 tables, sketch map, 86 ref., 2000.

56001470

Klassen, Rudy W. (Geological Survey of Canada, Calgary, AB, Canada) and Hughes, David.

Diamict fill in sub-glacial channels, Poplar River strip mine, southern Saskatchewan: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 111-115, illus. incl. sketch maps, 8 ref., 2000.

56001471

Lehmkuhl, F. (Geographisches Institut der Universität Göttingen, Gottingen, Federal Republic of Germany); Klinge, M.; Rees-Jones, J. and Rhodes, E. J.

Late Quaternary aeolian sedimentation in central and south-eastern Tibet: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 117-132, illus. incl. strat. col., 5 tables, sketch map, 55 ref., 2000.

56001472

Lian, Olav B. (Victoria University of Wellington, School of Earth Sciences, Wellington, New Zealand) and Hicock, Stephen R.

Thermal conditions beneath parts of the last Cordilleran ice sheet near its centre as inferred from subglacial till, associated sediments, and bedrock: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 147-162, illus. incl. 1 table, sketch maps, 58 ref., 2000.

56001473

Munro-Stasiuk, Mandy (Newfoundland Geological Survey, Department of Mines and Energy, St. John's, NF, Canada); Scott, Sharon and Sommerville, Anne.

Evidence of late glacial permafrost in Newfoundland: *in In honorarium*, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 163-174, illus. incl. 2 tables, sketch map, 74 ref., 2000.

56001498

Ma Wei (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China) and Chang Xiaoxiao.

Influence of loading and unloading on strength and deformation of frozen soil: **Yantu Gongcheng Xuebao = Chinese Journal of Geotechnical Engineering**, 23(5), p. 563-566, (Chinese) (English sum.), 12 ref., 2001.

56001500

Gruden, Cynthia Lee.

Fate and toxicity of aircraft deicing fluid additives through anaerobic digestion: 139 p., illus. incl. 6 tables, 131 ref., Doctoral, July 2000, University of Colorado. microfiche *Available from:* Univ. Microfilms.

56001501

Thorsteinsson, Throstur. Anisotropy of ice I_h

; development of fabric and effects of anisotropy on deformation: 179 p., illus. incl. 2 tables, 142 ref., Doctoral, 2000, University of Washington, Seattle, WA. microfiche *Available from:* Univ. Microfilms. Includes appendix.

56001502

Starr, Gregory.

A multi-scale assessment of physiological processes in Arctic tundra plants under natural and simulated climate change scenarios: 99 p., illus., 100 ref., Doctoral, 2000, Florida International University, Miami, FL. microfiche *Available from:* Univ. Microfilms.

56001503

Singh, Probjot.

Gel deposition on cold surfaces: 217 p., illus. incl. 9 tables, Doctoral, 2000, University of Michigan, Ann Arbor, MI. microfiche *Available from:* Univ. Microfilms. Includes appendices.

56001504

Axford, Yarrow L.

Late Quaternary glacier fluctuations and vegetation change in the northwestern Ahklun Mountains, Southwestern Alaska: 181 p., illus. incl. 5 tables, sketch maps, 87 ref., Master's, 2000, Utah State University, Logan, UT. microfiche *Available from:* Univ. Microfilms. Includes appendices.

56001680

Evans, David J. A. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom).

Glaciers: **Progress in Physical Geography**, 25(3), p. 428-439, 80 ref., September 2001.

56001976

Ehlers, Peter, president (Bundesamt für Seeschiffahrt und Hydrographie, Hamburg, Federal Republic of Germany).

Jahresbericht, 2000; Bundesamt für Seeschiffahrt und Hydrographie [Annual report, 2000; Federal Department for Marine Shipping and Hydrography]: **Jahresbericht - Bundesamt für Seeschiffahrt und Hydrographie**, 2000, 143 p., 78 ref., 2000.

56001982

Anonymous. Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e

atelier sur Les glaces fluviales: **Proceedings ... Workshop on River Ice**, 11, 1 disc, (English, French), 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada. Individual papers and abstracts are cited separately.

56001983

Beltaos, Spyros (National Water Research Institute, Burlington, ON, Canada) and Rowsell, Robert.

Field study of pre-breakup river waves: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus. incl. sketch map, 11 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56001984

Beltaos, Spyros (National Water Research Institute, Aquatic Ecosystem Impacts Research Branch, Burlington, ON, Canada).

Bearing capacity of floating ice covers; theory versus fact: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus., 26 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56001985

Carson, R. W. (KGS Group, Winnipeg, MB, Canada); Andres, D.; Beltaos, S.; Groeneveld, J.; Healy, D.; Hicks, F.; Liu, L. W. and Shen, H. T.

Tests of river ice jam models: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus. incl. 1 table, 9 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56001986

Carter, D. (Carter Consultants, Sainte-Foy, PQ, Canada); Stander, E.; Caron, O.; Tournier, J. P. and Pek, C.

Poussées statiques des glaces [Static ice forces]: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11 (English sum.), illus. incl. 1 table, sketch map, 35 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56001987

Ettema, Robert (University of Iowa, Iowa Institute of Hydraulic Research, Iowa City, IA) and Zabilansky, Leonard.

Observations of ice-cover and openwater-lead formation along the Fort Peck Reach of the Missouri River: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11, illus. incl. sketch map, 9 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5784*

56001988

Fuamba, Musandji (École Polytechnique de Montréal, Montreal, PQ, Canada); Marche, Claude and Quach, Tung.

Introduction des caractéristiques physico-mécaniques des glaces dans la modélisation de l'onde de rupture des barrages en cascade [Integration of ice mechanical properties for the modelling of a winter dam break wave in a series of dams in cascade]: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11 (English sum.), illus., 16 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada.*

56001989

Hamilton, A. S. (Environment Canada, Vancouver, BC, Canada); Hutchinson, David G. and Moore, R. D.

Estimation of winter streamflow using a conceptual hydrological model; a case study, Wolf Creek, Yukon Territory: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11, illus. incl. 3 tables, 17 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada.*

56001990

Healy, D. (University of Alberta, Department of Civil and Environmental Engineering, Edmonton, AB, Canada) and Hicks, F.

Experimental observations on ice jam shoving: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11, illus. incl. 3 tables, 4 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada.*

56001991

Daly, Steven F. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Hopkins, Mark A.

Estimating forces on an ice control structure using DEM: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11, illus. incl. 1 table, 13 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5785*

56001992

Huokuna, Mikko (Finnish Environment Institute, Helsinki, Finland); Nikkarikoski, Heikki and Savolainen, Heikki.

Experiences of the spring break-up 2000 on the River Kalajoki: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice, 11, illus. incl. 2 tables, sketch maps, 3 ref., 2001. compact disc. Meeting: May 14-16, 2001, Ottawa, ON, Canada.*

56001993

Lever, James H. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Daly, Steven F.

Maximum waterlevels upstream of an ice-control structure: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus. incl. 2 tables, 20 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5786

56001994

Liu, Lianwu (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY); Tuthill, Andrew M. and Shen, Hung Tao.

Dynamic simulation of ice condition in the vicinity of locks and dams: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus., 9 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5787

56001995

Massie, Darrell D. (United States Military Academy, Department of Civil and Mechanical Engineering, West Point, NY); White, Kathleen D.; Daly, Steven F. and Soofi, Amir.

Predicting ice jams with neural networks: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus. incl. 1 table, sketch map, 8 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5783

56001996

Morris, Michael P. (University of Manitoba, Hydraulics Research and Testing Facility, Winnipeg, MB, Canada) and Doering, J. C.

Laboratory studies of anchor ice growth using a digital image processing system: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus. incl. 1 table, sketch map, 6 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56001997

Morse, Brian (Université Laval, Sainte-Foy, PQ, Canada); Ringô, Benoîte and Bergeron, Paul-Émile.

Site expérimental pour le suivi des embâcles de congestion [Experimental site for following ice jam congestion]: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, 29 p. (English sum.), illus., 11 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56001998

Morse, Brian (Université Laval, Sainte-Foy, PQ, Canada); Messier, Danielle; Stander, Ed and Quach-Thanh, T.

Le savoir écologique local de la dynamique des glaces dans l'estuaire Portneuf [Local ecological knowledge of ice dynamics in the Portneuf Estuary]: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, 20 p. (English sum.), illus., 40 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56001999

Ouarda, T. B. M. J. (INRS-Eau, Hydrologie Statistique, Canada); Faucher, D.; Coulibaly, P.; Bobée, B.; Cantin, J. F. and Hoang, V. D.

Analyse des techniques de correction du débit en présence d'un effet de glace [Analysis of discharge correction techniques in the presence of ice cover]: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, 53 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56002000

Robichaud, C. (University of Alberta, Department of Civil and Environmental Engineering, Edmonton, AB, Canada) and Hicks, F.

Remote monitoring of river ice jam dynamics: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus. incl. sketch maps, 1 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56002001

Partridge, Valerie A. (Acadia University, Acadia Centre for Estuarine Research, Wolfville, NS, Canada).

Influence of ice cover on sediment temperature and implications for intertidal benthic invertebrates on a Bay of Fundy mudflat: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, 28 p., illus. incl. sketch map, 58 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56002002

Wang, Dapei (Environment Canada, Water Survey Branch, Ottawa, ON, Canada).

Winter flow measurements at the Mackenzie River: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus., 5 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56002003

Weber, Frank (BC Hydro, Burnaby, BC, Canada); Nixon, Dan and Hurley, Jeff.

Identification of river ice types on the Peace River using RADARSAT-1 SAR imagery: *in Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, Proceedings ... Workshop on River Ice*, 11, illus. incl. 2 tables, sketch map, 17 ref., 2001. compact disc. *Meeting*: May 14-16, 2001, Ottawa, ON, Canada.

56002004

Ye, S. Q. (University of Manitoba, Hydraulics Research & Testing Facility, Winnipeg, MB, Canada) and Doering, J. C.

Frazil size and flow turbulence: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus. incl. 1 table, 23 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56002005

Zufelt, Jon E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Reed, Calvin J. and Weed, John L.

Modeling snowmelt runoff and the effects of climate change in central New York State: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus. incl. 2 tables, sketch maps, 5 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5788

56002006

Andres, David D. (Trillium Engineering and Hydrographics, Edmonton, AB, Canada) and Van Der Vinne, P. Gary.

Calibration of ice growth models for bare and snow covered conditions; a summary of experimental data from a small prairie pond: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, illus. incl. 1 table, sketch map, 6 ref., 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56002007

Ferrick, M. G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Simple wave and monoclinal wave models of unsteady river flow surges [abstr.]: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5789

56002008

Gauthier, Y. (INRS-Eau, Sainte-Foy, PQ, Canada); Ouarda, T. B. M. J.; Bernier, M. and El Battay, A.

Monitoring the ice cover evolution of a medium size river from RADARSAT-1; preliminary results [abstr.]: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56002009

Abdelnour, Razek (Fleet Technology, Canada).

Ice booms in rivers; problems experienced and the development of reliable solutions [abstr.]: *in* Proceedings, 11th workshop on River ice; river ice processes within a changing environment—Comptes rendus, 11^e atelier sur Les glaces fluviales, **Proceedings ... Workshop on River Ice**, 11, 2001. compact disc. *Meeting:* May 14-16, 2001, Ottawa, ON, Canada.

56002011

U. S. Army Corps of Engineers, Alaska District.

Deep-draft navigation interim feasibility report and environmental assessment; Cook Inlet, Alaska: 81 p., illus. incl. 11 tables, sketch maps, 34 ref., April 1996. Available from: Department of the Army, U. S. Army Engineering District, Anchorage, AK, United States. Includes appendices.

56002012

Widger, William K., Jr. (Allied Research Associates, ARACON Geophysics Company, Concord, MA); Sherr, Paul E. and Rogers, C. W. C.

Practical interpretation of meteorological satellite data: Rep. No. AFCRL-64-807, 380 p., illus. incl. 5 tables, sketch maps, 133 ref., September 1964. Available from: U. S. Department of Commerce, Office of Technical Services, Washington, DC, United States. Includes appendices; final Report.

56002021

Shemesh, Aldo (Weizmann Institute of Science, Department of Environmental Sciences and Energy Research, Rehovot, Israel); Rietti-Shati, Miri; Rioual, Patrick; Battarbee, Rick; de Beaulieu, Jacques-Louis; Reille, Maurice; Andrieu, Valerie and Svobodova, Helena.

An oxygen isotope record of lacustrine opal from a European maar indicates climatic stability during the last interglacial: **Geophysical Research Letters**, 28(12), p. 2305-2308, illus. incl. geol. sketch map, 33 ref., June 15, 2001. *diatoms, palynomorphs*

56002022

Lanagan, Peter D. (University of Arizona, Lunar and Planetary Laboratory, Tucson, AZ); McEwen, Alfred S.; Keszthelyi, Laszlo P. and Thordarson, Thorvaldur.

Rootless cones on Mars indicating the presence of shallow equatorial ground ice in recent times: **Geophysical Research Letters**, 28(12), p. 2365-2367, illus., 27 ref., June 15, 2001.

56002023

Andreev, Andrey G. (Japan Marine Science and Technology Center, Yokosuka, Japan) and Kusakabe, Masashi.

Interdecadal variability in dissolved oxygen in the intermediate water layer of the Western Subarctic Gyre and Kuril Basin (Okhotsk Sea): **Geophysical Research Letters**, 28(12), p. 2453-2456, illus. incl. geol. sketch map, 16 ref., June 15, 2001.

56002024

Thomas, Maik (Universität Hamburg, Institut für Meereskunde, Hamburg, Federal Republic of Germany); Sündermann, Jürgen and Maier-Reimer, Ernst.

Consideration of ocean tides in an OGCM and impacts on subseasonal to decadal polar motion excitation: **Geophysical Research Letters**, 28(12), p. 2457-2460, illus., 24 ref., June 15, 2001.

56002025

Calvo, Eva (I.C.E.R.-C.S.I.C., Departament de Química Ambiental, Barcelona, Spain); Pelejero, Carles; Herguera, Juan C.; Palanques, Albert and Grimalt, Joan O.

Insolation dependence of the southeastern subtropical Pacific sea surface temperature over the last 400 kyrs: **Geophysical Research Letters**, 28(12), p. 2481-2484, illus. incl. geol. sketch map, 30 ref., June 15, 2001.

56002073

Isbell, John L. (University of Wisconsin-Milwaukee, Department of Geosciences, Milwaukee, WI); Miller, Molly F.; Babcock, Loren E. and Hasiotis, Stephen T.

Ice-marginal environment and ecosystem prior to initial advance of the late Palaeozoic ice sheet in the Mount Butters area of the central Transantarctic Mountains, Antarctica: **Sedimentology**, 48(5), p. 953-970, illus. incl. sects., sketch map, 59 ref., October 2001.

56002142

Häusler, Franz Ulrich (University of Hamburg, Hamburg, Federal Republic of Germany).

Beitrag zur Ermittlung der Kräfte beim Eisbrechen; unter besonderer Berücksichtigung der Anisotropie des Eises und seiner Versagenseigenschaften unter mehrachsiger Beanspruchung [Contribution to the evaluation of the forces at icebreaking with particular consideration of the anisotropy of ice and its failure properties under multiaxial stresses]: **Institut für Schiffbau der Universität Hamburg - Bericht**, 494, 142 p. (English sum.), illus. incl. 24 tables, 153 ref., Doctoral, September 1989, Technischen Universität Hamburg-Harburg, Hamgurg. ISBN: 3-89220-494-2.

56002143

Kleidon, Axel (University of Maryland, Department of Geography, College Park, MD) and Lorenz, Stephan.

Deep roots sustain Amazonian rainforest in climate model simulations of the last ice age: **Geophysical Research Letters**, 28(12), p. 2425-2428, illus. incl. 1 table, geol. sketch maps, 30 ref., June 15, 2001.

56002145

Gildor, Hezi (Weizmann Institute, Environmental Sciences, Rehovot, Israel) and Tziperman, Eli.

Physical mechanisms behind biogeochemical glacial-interglacial CO₂ variations: **Geophysical Research Letters**, 28(12), p. 2421-2424, illus. incl. block diag., 31 ref., June 15, 2001.

56002146

Beaney, Claire L. (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada) and Hicks, Faye E.

Hydraulic modelling of subglacial tunnel channels, South-east Alberta, Canada: **Hydrological Processes**, 14(14), p. 2545-2557, illus. incl. 3 tables, sketch map, 25 ref., October 15, 2000.

56002147

Smith, Jeffrey A. (Phillips, Alaska's Kuparuk Field).

Phillips Alaska, Inc. North-Slope Kuparuk Field; target zero spills program: **The Professional Geologist**, 38(12), p. 4-10, illus. incl. 4 tables, December 2001.

56002148

Carr, Simon (Oxford Brookes University, Department of Geography, Oxford, United Kingdom).

A glaciological approach for the discrimination of Loch Lomond Stadial glacial landforms in the Brecon Beacons, South Wales: **Proceedings of the Geologists' Association**, 112, Part 3, p. 253-262, illus. incl. 1 table, sketch map, 32 ref., July 2001.

56002149

Prudden, Hugh (Coventry University, Centre for Quaternary Science, Coventry, United Kingdom); Harrison, S.; Anderson, E. and Passmore, D. G.

Further glacial tills on Exmoor, Southwest England; implications for small ice cap and valley glaciation; discussion: **Proceedings of the Geologists' Association**, 112, Part 3, p. 285-287, 16 ref., July 2001. For reference to original see Harrison, S., Anderson, E. and Passemore, D. G.; **Proceedings of the Geologists' Association** Vol. 112, Part 1, pp. 1-5, 2001.

56002150

Schäfer, Jörg M. (ETH Zurich, Isotope Geology and Mineral Resources, Zurich, Switzerland); Tschudi, Silvio; Zhao Zhizhong; Wu Xihao; Ivy-Ochs, Susan; Wieler, Rainer; Baur, Heinrich; Kubik, Peter W. and Schlüchter, Christian.

The limited influence of glaciations in Tibet on global climate over the past 170 000 yr: **Earth and Planetary Science Letters**, 194(3-4), p. 287-297, illus. incl. 1 table, sketch maps, 42 ref., January 15, 2002. Lamont-Doherty Earth Obs., Contrib. No. 6169.

<http://www.elsevier.com/locate/epsl>

56002151

Brachfeld, Stefanie A. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Banerjee, Subir K.; Guyodo, Yohan and Acton, Gary D.

A 13 200 year history of century to millennial-scale paleoenvironmental change magnetically recorded in the Palmer Deep, western Antarctic Peninsula: **Earth and Planetary Science Letters**, 194(3-4), p. 311-326, illus. incl. sketch map, 50 ref., January 15, 2002.

56002152

Kim, Jung-Hyun (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); Schneider, Ralph R.; Müller, Peter J. and Wefer, Gerold.

Interhemispheric comparison of deglacial sea-surface temperature patterns in Atlantic eastern boundary currents: **Earth and Planetary Science Letters**, 194(3-4), p. 383-393, illus. incl. 1 table, sketch map, 63 ref., January 15, 2002. SFB 261, Contrib. No. 336.

56002153

Zurawek, Roman (Uniwersytet Wrocławski, Wrocław, Poland).

Problem wieku reliktowych lodowców skalnych w Masywie slezy w świetle datowan ¹⁴C i OSL oraz obserwacji geomorfologicznych [The problem of the age of relict rock glaciers in the Silesian Massif; ¹⁴C and OSL dating and geomorphologic evidence]: **Przegląd Geologiczny**, 49(10, Part 1), p. 880-884 (English sum.), illus. incl. sect., sketch map, 15 ref., 2001.

56002154

Kordowski, Jarosław (PAN, Instytut Geografii, Toruń, Poland).

Rola martwego lodu w kształtowaniu rzeźby basenu unisławskiego [The significance of dead ice blocks in the morphogenesis of the Unislaw Basin]: **Przegląd Geologiczny**, 49(10, Part 1), p. 918-922 (English sum.), sects., geol. sketch maps, 15 ref., 2001.

56002155

Kenig, Krystyna (Panstwowy Instytut Geologiczny, Warsaw, Poland) and Lindner, Leszek.

Profile wiertnicze osadów czwartorzędowych na Ornaku oraz ich znaczenie w badaniach nad ostatnim zlodowaceniem w Tatrach Zachodnich [Quaternary borehole sections from Orná and their significance in studies of the last glaciation in the western Tatras Mountains]: **Przegląd Geologiczny**, 49(12), p. 1180-1185 (English sum.), illus. incl. geol. sketch map, 30 ref., 2001.

56002156

Shanley, James B. (U. S. Geological Survey, Montpellier, VT); **Schuster, Paul; Reddy, Michael M.; Roth, David A.; Taylor, Howard E. and Aiken, George R.**
Mercury on the move during snowmelt in Vermont: **Eos, Transactions, American Geophysical Union**, 83(5), p. 45, 47-48, illus. incl. geol. sketch map, 10 ref., January 29, 2002.

56002157

Riser, Jean A. M., editor (Université d'Avignon, Département de Géographie, Avignon, France); **Bardintzeff, J. M.; Bonnefille, R.; Fontugne, M.; Guendon, J. L.; Nicod, J.; Vaudour, J.; Guérin, C.; Occhietti, S.; Patou-Mathis, M.; Vialou, D.; Pautreau, J. P.; Rousseau, D. D. and Blondel, Philippe**, translator.

Quaternary geology and the environment: *in the collection* Springer-Praxis books in geophysical sciences (Blondel, Philippe, editor). Praxis Publishing, Chichester, United Kingdom, 290 p., illus., 110 ref., 2002. ISBN: 1-85233-320-0. Translation of French edition (Le Quaternaire; géologie et milieux naturels) published by Dunod, Paris, 1999.

56002158

Williams, Jonathan (Hutchison 3G, Maidenhead, United Kingdom).

GIS processing of geocoded satellite data: *in the collection* Springer-Praxis books in geophysical sciences (Blondel, Philippe, editor). Springer, Berlin, Federal Republic of Germany, Praxis Publishing, Chichester, United Kingdom, 327 p., illus. incl. 44 tables, block diag., geol. sketch maps, 2001. ISBN: 1-85233-368-5; 3-540-42648-5. Includes glossary and index.

56002159

Wolfe, Art.

The High Himalaya: Mountaineers Books, Seattle, WA, 160 p., illus., 25 ref., 2001. ISBN: 0-89886-841-6.

56002160

Mason, Owen K. (University of Alaska Museum, Alaska Quaternary Center, Fairbanks, AK) and Jordan, James W.

Minimal late Holocene sea level rise in the Chukchi Sea; Arctic insensitivity to global change?: *in* Global and regional sea-level changes and the hydrological cycle (Sahagian, Dork, editor; *et al.*), **Global and Planetary Change**, 32(1), p. 13-23, illus. incl. 1 table, sketch maps, 54 ref., December 2001. *Meeting*: First Vening-Meinesz conference, Oct. 1999, Sardinia, Italy. IGCP Project No. 367.

56002161

Louanchi, Ferial (Pennsylvania State University, Department of Meteorology, University Park, PA) and Hoppema, Mario.

Interannual variations of the Antarctic Ocean CO₂ uptake from 1986 to 1994: *in* Second international symposium on Carbon dioxide in the oceans (Tsunogai, Shizuo, editor; *et al.*), **Marine Chemistry**, 72(2-4), p. 103-114, illus. incl. 1 table, sketch maps, 45 ref., December 2000. *Meeting*: Jan. 18-22, 1999, Tsukuba, Japan.

56002162

Hofmann, Matthias (University of Constance, Aquatic Ecology, Konstanz, Federal Republic of Germany); **Wolf-Gladrow, Dieter A.**; **Takahashi, Taro**; **Sutherland, Steward C.**; **Six, Katharina D.** and **Maier-Reimer, Ernst**.

Stable carbon isotope distribution of particulate organic matter in the ocean; a model study: *in* Second international symposium on Carbon dioxide in the oceans (Tsunogai, Shizuo, editor; *et al.*), **Marine Chemistry**, 72(2-4), p. 131-150, illus. incl. 1 table, sketch maps, 59 ref., December 2000. *Meeting*: Jan. 18-22, 1999, Tsukuba, Japan.

56002163

Hoppema, Mario (University of Bremen, Department of Tracer Oceanography, Bremen, Federal Republic of Germany); **Stoll, Michel H. C.** and **de Baar, Hein J. W.**

CO₂ in the Weddell Gyre and Antarctic Circumpolar Current; austral autumn and early winter: *in* Second international symposium on Carbon dioxide in the oceans (Tsunogai, Shizuo, editor; *et al.*), **Marine Chemistry**, 72(2-4), p. 203-220, illus. incl. sects., 1 table, sketch map, 41 ref., December 2000. *Meeting*: Jan. 18-22, 1999, Tsukuba, Japan.

56002164

Ottersen, Geir (Institute of Marine Research, Bergen, Norway) and **Stenseth, Nils C.**

Atlantic climate governs oceanographic and ecological variability in the Barents Sea: **Limnology and Oceanography**, 46(7), p. 1774-1780, illus. incl. sketch map, 26 ref., November 2001.

56002165

Nakano, Yoshisuke (U. S. Army Cold Regions Research and Laboratory, Hanover, NH).

Water expulsion during soil freezing described by a mathematical model called M_i; **Cold Regions Science and Technology**, 29(1), p. 9-30, illus., 46 ref., April 1999. CRREL Report No: ERDC/CRREL MP-02-5794

56002166

Lang, Renee M. (Sigma Technologies, Gig Harbor, WA) and **Blaisdell, George L.**

Passive snow removal at the Pegasus runway, McMurdo, Antarctica: **Cold Regions Science and Technology**, 29(1), p. 75-88, illus., 15 ref., April 1999. CRREL Report No: ERDC/CRREL MP-02-5793

56002167

Sletten, Ronald S. (University of Washington, Quaternary Research Center, Seattle, WA); **Pratum, Thomas P.** and **Grant, Steven A.**

Estimates of water and solute diffusion in frozen ground utilizing pulsed-field-gradient nuclear magnetic resonance [abstr.]: *in* Abstracts from the Arctic forum 2000; the Arctic Research Consortium of the U.S. (ARCUS) (Maslowski, Wieslaw, chairperson), **Abstracts from the Arctic Forum**, 2000, p. 72, May 2000. *Meeting*: May 16-20, 2000, Washington, DC. CRREL Report No: ERDC/CRREL MP-02-5792

56002168

Lundqvist, Jan (Stockholm University, Department of Quaternary Research, Stockholm, Sweden).

Palaeoseismicity and De Geer moraines: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 175-186, illus. incl. sketch maps, 74 ref., 2000.

56002169

Mollard, J. D. (J. D. Mollard and Associates, Regina, SK, Canada).

Ice-shaped ring-forms in Western Canada; their airphoto expressions and manifold polygenetic origins: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 187-198, illus. incl. sketch map, 49 ref., 2000.

56002170

Nemecz, Erno (University of Veszprem, Department of Earth and Environmental Science, Veszprem, Hungary); Pecsi, Marton; Hartyani, Zsuzsa and Horvath, Timea.

The origin of the silt size quartz grains and minerals in loess: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 199-208, illus. incl. 1 table, strat. cols., 12 ref., 2000.

56002171

Osborn, Gerald D. (University of Calgary, Geology and Geophysics Department, Calgary, AB, Canada); Jackson, Lionel, Jr.; Barendregt, Rene; Enkin, Randolph; Young, Robert and Wilson, Paul.

Geologic constraints on archaeological interpretations of a late Wisconsinan site at Varsity Estates, Calgary, Alberta: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 209-215, illus. incl. geol. sketch map, 24 ref., 2000.

56002172

Sheppard, Kevin (Memorial University of Newfoundland, Department of Geography, St. John's, NF, Canada); Bell, Trevor and Liverman, David G. E.

Late Wisconsinan stratigraphy and chronology at Highlands, southern St. George's Bay, Southwest Newfoundland: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 275-283, illus. incl. strat. col., sketch map, 43 ref., 2000.

56002173

Spooner, I. S. (Acadia University, Department of Geology, Wolfville, NS, Canada) and Osborn, Gerald D.

Geomorphology and late Wisconsinan sedimentation in the Stikine River valley, northern British Columbia: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 285-296, illus. incl. sketch map, 33 ref., 2000.

56002174

Teller, J. T. (University of Manitoba, Department of Geological Sciences, Winnipeg, MB, Canada); Glennie, K. W.; Lancaster, N. and Singhvi, A. K.

Calcareous dunes of the United Arab Emirates and Noah's Flood; the postglacial reflooding of the Persian (Arabian) Gulf: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 297-308, illus. incl. sketch maps, 70 ref., 2000.

56002175

Ward, Brent (Simon Fraser University, Earth Sciences Department, Burnaby, BC, Canada) and Rutter, Nathaniel W.

Deglacial valley fill sedimentation, Pelly River, Yukon Territory, Canada: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 309-328, illus. incl. strat. cols., 2 tables, sketch map, 72 ref., 2000.

56002176

Cooper, M. C. (University of Plymouth, Department Environmental Sciences, Plymouth, United Kingdom); O'Sullivan, P. E. and Shine, A. J.

Climate and solar variability recorded in Holocene laminated sediments; a preliminary assessment: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 363-371, illus. incl. strat. cols., 4 tables, sketch map, 31 ref., 2000.

56002177

Renssen, Hans (Vrije Universiteit, Netherlands Centre for Geo-ecological Research, Amsterdam, Netherlands); van Geel, Bas; van der Plicht, Johannes and Magny, Michel.

Reduced solar activity as a trigger for the start of the Younger Dryas?: *in* In honorarium, Nat Rutter (Catto, N. R., editor; *et al.*), **Quaternary International**, 68-71, p. 373-383, illus., 101 ref., 2000.

56002178

Khvorostov, V. V. (Rostov State University, Rostov-on-Don, Russian Federation) and Panova, S. V.

Impact of snow line movement on the development of debris-flow processes in the Greater Caucasus, Russia: *in* Debris-flow hazards mitigation; mechanics, prediction, and assessment (Wieczorek, Gerald F.; *et al.*), **Proceedings of the ... International Conference on Debris-Flow Hazards Mitigation**, 2, p. 449-452, 2 tables, 6 ref., 2000. *Meeting*: Second international conference, Aug. 16-18, 2000, Taipei, Taiwan.

56002179

Weltén, Kees C. (University of California at Berkeley, Space Sciences Laboratory, Berkeley, CA) and Nishiizumi, Kunihiko.

Degree of weathering of H-chondrites from Frontier Mountain, Antarctica [abstr.]: *in* Workshop on Extraterrestrial materials from cold and hot deserts (Schultz, Ludolf, editor; *et al.*), **LPI Contribution**, Rep. No. 997, p. 83-87, illus. incl. 1 table, 11 ref., 2000. *Meeting*: July 6-8, 1999, Pilanesberg, South Africa.

56002180

Powell, Ross D.

Glacier-sea interactions and the utility of process studies for interpreting the Antarctic glacial and climatic record on different time scales: *in* Report of a workshop on Antarctic late Phanerozoic Earth system science (Webb, Peter N., compiler; *et al.*), **SCAR Report**, 16, p. 51-53, 1999. *Meeting*: ANTOSTRAT workshop on Antarctic Cretaceous and Cenozoic palaeoenvironments, July 6-11, 1997, Hobart, Tasmania, Australia.

56002181

Oglesby, Robert.

Paleoclimate modelling of Antarctica; what it has done? what it can do?: *in* Report of a workshop on Antarctic late Phanerozoic Earth system science (Webb, Peter N., compiler; *et al.*), **SCAR Report**, 16, p. 63-64, 1999. *Meeting*: ANTOSTRAT workshop on Antarctic Cretaceous and Cenozoic palaeoenvironments, July 6-11, 1997, Hobart, Tasmania, Australia.

56002182

Rundgren, Mats (Lund University, Department of Quaternary Geology, Lund, Sweden) and Beerling, David.

A Holocene CO₂ record from the stomatal index of subfossil Salix herbacea L. leaves from northern Sweden: **The Holocene**, 9(5), p. 509-513, illus. incl. 1 table, 46 ref., 1999.

56002183

Roberts, Donna (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia); **Roberts, Jason L.**; **Gibson, John A. E.**; **McMinn, Andrew and Heijnis, Hendrik**.

Palaeohydrological modelling of Ace Lake, Vestfold Hills, Antarctica: **The Holocene**, 9(5), p. 515-520, illus. incl. 2 tables, sketch maps, 21 ref., 1999.

56002184

Laing, Tamsin E. (Queen's University, Department of Biology, Kingston, ON, Canada); **Rühland, Kathleen M.** and **Smol, John P.**

Past environmental and climatic changes related to tree-line shifts inferred from fossil diatoms from a lake near the Lena River delta, Siberia: **The Holocene**, 9(5), p. 547-557, illus. incl. chart, 1 table, sketch map, 79 ref., 1999.

56002185

Humlum, Ole (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).

Late-Holocene climate in central West Greenland; meteorological data and rock-glacier isotope evidence: **The Holocene**, 9(5), p. 581-594, illus. incl. sketch map, 103 ref., 1999.

56002186

Blyakharchuk, Tatyana A. (Tomsk State University, Department of Botany, Tomsk, Russian Federation) and **Sulerzhitsky, Leopold D.**

Holocene vegetational and climatic changes in the forest zone of Western Siberia according to pollen records from the extrazonal palsu bog Bugristoye: **The Holocene**, 9(5), p. 621-628, illus. incl. chart, 1 table, sketch maps, 43 ref., 1999.

56002187

Hughes, M. K. (University of Arizona, Laboratory of Tree-Ring Research, Tucson, AZ); **Vaganov, E. A.**; **Shiyatov, S.**; **Touchan, R.** and **Funkhouser, G.**

Twentieth-century summer warmth in northern Yakutia in a 600-year context: **The Holocene**, 9(5), p. 629-634, illus. incl. 3 tables, sketch maps, 30 ref., 1999.

56002188

Worby, A. P. (Antarctic CRC, Hobart, Tasmania, Australia); **Griffin, P. W.**; **Lytle, V. I.** and **Massom, R. A.**

On the use of electromagnetic induction sounding to determine winter and spring sea ice thickness in the Antarctic: **Cold Regions Science and Technology**, 29(1), p. 49-58, illus. incl. 2 tables, 23 ref., April 1999.

56002189

Ma Wei (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); **Wu Ziwang**; **Zhang Lixin** and **Chang Xiaoxiao**.

Analysis of process on the strength decrease in frozen soils under high confining pressure: **Cold Regions Science and Technology**, 29(1), p. 1-7, illus. incl. 1 table, 10 ref., April 1999.

56002190

Henneman, Heather E. (University of Minnesota, St. Anthony Falls Laboratory, Minneapolis, MN) and **Stefan, Heinz G.**

Albedo models for snow and ice on a freshwater lake: **Cold Regions Science and Technology**, 29(1), p. 31-48, illus. incl. 4 tables, 28 ref., April 1999.

56002191

Hoyland, Knut V. (Norwegian University of Science and Technology, Department of Structural Engineering, Trondheim, Norway) and Loset, Sveinung.

Measurements of temperature distribution, consolidation and morphology of a first-year sea ice ridge: **Cold Regions Science and Technology**, 29(1), p. 59-74, illus. incl. 7 tables, sketch map, 13 ref., April 1999.

56002192

Lai, Y. M. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Wu, Z.; Zhu, Y. and Zhu, L.

Nonlinear analysis for the coupled problem of temperature and seepage fields in cold regions tunnels: **Cold Regions Science and Technology**, 29(1), p. 89-96, illus. incl. 2 tables, 4 ref., April 1999.

56002193

Barbarito, Marta; Baldanza, Simona and Peri, Antonio.

Autovalutazione dell'adattamento e delle relative espressioni comportamentali in due basi Antartiche Argentine [Self-evaluation of adaptation and related behaviour at two Argentine Antarctic stations]: **Il Polo**, 55(1), p. 25-40, illus. incl. tables, 2000.

56002194

Simoes, Jefferson C.

O testemunho de gelo de Vostok (Antartica) [The Vostok ice core (Antarctica)]: **Informativo - Comissao Interministerial para os Recursos do Mar (CIRM)**, 12(1), p. 14, 2000.

56002195

Bauza, D. (Geografijos Institutas, Vilnius, Lithuania).

Glacigeninio tipo duobes Aukstaitijos nacionaliniame parke [Glacigenic pits in the "Aukstaitija" National Park]: **Geografija - Vilniaus Universitetas**, 32, p. 14-17 (English sum.), sketch maps, 8 ref., 1996.

56002196

Solomon, Harold (Tokai University, Institute of Marine Science and Technology, Shizuoka, Japan); Ushida, Kaoru and Suzuki, Takashi.

Interannual variability of Antarctic hydrographic structure and frontal zones along meridional sections between Syowa Station and Southern Africa: **Journal of Oceanography**, 56(1), p. 1-16, illus. incl. 1 table, 48 ref., February 2000.

56002197

Singhroy, Vernon H. (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Barnett, Peter J.; Yatabe, Susan and Saint-Jean, Robert.

Satellite based engineering-terrain mapping of Canada's boreal forest region: *in* Proceedings of the Fourteenth international conference on Applied geologic remote sensing, **Proceedings of the ... International Conference on Applied Geologic Remote Sensing**, 14, p. 131-140, illus., 3 ref., 2000. *Meeting:* Nov. 6-8, 2000, Las Vegas, NV.

56002198

Liu, Jian Guo (Imperial College of Science, Technology and Medicine, T. H. Huxley School of Environment, Earth Science and Engineering, London, United Kingdom).

Image enhancement and interpretation of Landsat TM Lhasa scene for snow and permafrost zone mapping: *in* Proceedings of the Fourteenth international conference on Applied geologic remote sensing, **Proceedings of the ... International Conference on Applied Geologic Remote Sensing**, 14, p. 535-542, illus. incl. 1 table, 8 ref., 2000. *Meeting:* Nov. 6-8, 2000, Las Vegas, NV.

56002199

Lyons, W. Berry (University of Alabama, Department of Geology, Tuscaloosa, AL); Bartek, Louis R.; Mayewski, Paul A. and Doran, Peter T.

Climate history of the McMurdo dry valleys since the last glacial maximum; a synthesis: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 15-22, sketch map, 37 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002200

Morland, L. W. (University of East Anglia, School of Mathematics, Norwich, United Kingdom) and Draghicescu, A.

Steady plane flow of ice sheets over large-slope topography: **Environmetrics**, 9(4), p. 459-492, illus., 11 ref., August 1998.

56002201

Steuperaert, Jan, president (Consultant, Belgium); Busschots, Kris, reporter; De Backer, Claude, reporter and Pilate, Olivier, reporter.

Code de bonne pratique des enduits superficiels [Good-practice code for surface coatings]: Rep. No. R71/01, 86 p., illus. incl. 10 tables, 35 ref., 2001. *Available from:* Centre de Recherches Routières, Brussels, Belgium. Includes appendix.

56002202

Rydmark, Dag and Jaklin, Gunn Sissel, editors.

Arsmelding 2000 — Annual report 2000: **Arsmelding - Norsk Polarinstitutt**, 2000, 22 p., (English, Norwegian), illus. incl. table, 2001. ISBN: 82-7666-181-5.

56002224

Cabouret, Michel.

La forêt suédoise, un “modèle”? Une contribution à l’étude géographique des ressources [The Swedish forest, a model? Contribution to the geographic study of resources]: **Norois**, 46(184), p. 539-557 (English sum.), illus. incl. 4 tables, sketch maps, 9 ref., 1999.

56002225

Yankielun, Norbert E. (U. S. Army Corps of Engineers).

Transmission line reflectometer using frequency-modulated continuous wave: August 28, 2001. *Available from:* U. S. Patent Office, Washington, DC, United States. Patent no. 6,281,688 B1; Application no. 09/104,268 filed June 25, 1998.

56002228

Shpolyanskaia, N. A. and Kazakov, A. N.

Prognos evolyutsii kriolitozony v tselyakh obosnovaniia vozmozhnosti ispol'zovaniia ee dlya podzemnoi izolyatsii radioaktivnykh otkhodov (na primere arkhipelaga Novaia Zemlya) [Predicting the evolution of permafrost zone in connection with substantiation of its significance for underground isolation of radioactive wastes; example from the Archipelago of Novaia Zemlya]: **Geokologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiya**, 1997(2), p. 41-50, 14 ref., 1997.

56002230

Bunney, Robert E. (University of Washington, Division of Marine Resources, Seattle, WA). Feasibility of acoustically determining the thickness of sea ice: Rep. No. APL-UW 7317, 82 p., illus., 45 ref., April 1974. Available from: University of Washington, Applied Physics Laboratory, Seattle, WA, United States.

56002238

Schönfelder, I.; Giesecke, T.; Gelbrecht, J. and Steinberg, C. E. W.

Paleolimnological investigations on late glacial and Holocene sediments of Lake Grober Treppelsee (Brandenburg): **Berichte des IGB**, 10, p. 171-184, illus. incl. sketch map, 38 ref., 2000.

56002239

Zhang Zhanhai (National Research Center for Marine Environment Forecasts, Beijing, China).

On modelling ice dynamics of semi-enclosed seasonally ice-covered seas: **Report Series in Geophysics. University of Helsinki**, 43, 34 p., illus. incl. 2 tables, 101 ref., Master's, 2000, University of Helsinki, Helsinki. Includes four previously published papers.

56002240

Hunter, Lewis E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Lawson, Daniel E.; Bigl, Susan R.; Robinson, Peggy B. and Schlagel, Joel D. Glacial geology and stratigraphy of Fort Richardson, Alaska; a review of available data on the hydrogeology: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-00-3, 69 p. 1 sheet, illus. incl. sects., 3 tables, strat. cols.; colored surficial geology map, 116 ref., April 2000. Includes appendix.

http://www.crrel.usace.army.mil/techpub/CREEL_Reports/reports/TR00-3.pdf

56002241

Mizukami, Naoki (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan) and Maeno, Norikazu.

Normal stress dependence of ice-ice friction coefficients: **Seppyō = Journal of the Japanese Society of Snow and Ice**, 62(6), p. 515-521, illus., 13 ref., November 2000.

56002242

Nakayama, Masashige (Tokai University Research and Information Center, Tokyo, Japan); Cho, Tomonori and Nishio, Fumihiko.

Evaluation of frequency band and polarization of microwave radiometer for observation of first-year ice in the Okhotsk Sea: **Seppyō = Journal of the Japanese Society of Snow and Ice**, 62(6), p. 523-535, (Japanese) (English sum.), illus. incl. 3 tables, 10 ref., November 2000.

56002243

Wilson, Stuart B. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom) and Evans, David J. A.
Coire a' Cheud-chnoic, the "hummocky moraine" of Glen Torridon: **Scottish Geographical Journal**, 116(2), p. 149-158, illus. incl. sketch maps, 31 ref., 2000.

56002244

Derksen, C. (University of Waterloo, Department of Geography, Waterloo, ON, Canada) and LeDrew, E.

Assessing the impact of melt and refreeze on SSM/I derived North American prairie snow water equivalent: *in IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings* (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 454-456, illus. incl. 2 tables, sketch map, 4 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56002245

Kanagaratnam, P. (University of Kansas, Radar Systems and Remote Sensing Laboratory, Lawrence, KS); Gogineni, S. P.; Gundestrup, Neils and Larsen, Lars.

High-resolution monitoring of internal layers over the Greenland ice sheet: *in IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings* (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 460-462, illus., 5 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56002246

Guneriussen, Tore (NORUT IT, Tromso, Norway); Hogda, Kjell Arild; Johnsen, Harald and Lauknes, Inge.

InSAR for estimation of changes in snow water equivalent of dry snow: *in IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings* (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 463-466, illus., 8 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56002247

Haarpainter, Jorg (Norwegian Polar Institute, Polar Environmental Centre, Tromso, Norway); Kergomard, Claude; Gascard, Jean-Claude and Haugan, Peter M.

Sea ice dynamics observed by ERS-2 SAR imagery and ARGOS buoys in Storfjorden, Svalbard: *in IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings* (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 467-469, illus. incl. sketch map, 5 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56002248

Hoen, E. Weber (Stanford University, STAR Laboratory, Stanford, CA) and Zebker, Howard A.

Topography-driven variations in backscatter strength and depth observed over the Greenland ice sheet with InSAR: *in IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings* (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 470-472, illus., 13 ref., 2000. *Meeting*: July 24-28, 2000, Honolulu, HI.

56002249

Thrasher-Hybl, Tracy (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Holm, M. and Weaver, R.

Sea ice and snow data sets at the National Snow and Ice Data Center: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 473-474, 3 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002250

Leshkevich, G. A. (National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, Ann Arbor, MI); Nghiem, S. V. and Kwok, R.

Monitoring Great Lakes ice cover with satellite Synthetic Aperture Radar (SAR): *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 478-480, illus., 9 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002251

Li, Shusun (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK); Sturm, Matthew; Kyriazis, Stephanie and Logan, Tom.

Mapping snowmelt sequence at Ivotuk, Alaska, using RADARSAT SAR images acquired with different standard beams: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 481-483, illus. incl. 2 tables, 5 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002252

Mousessian, A. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Jordan, R. L.; Rodriguez, E.; Safaeinili, A.; Akins, T. L.; Edelstein, W. N.; Kim, Y. and Gogineni, S. P.

A new coherent radar for ice sounding in Greenland: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 484-486, illus. incl. 1 table, 2 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002253

Remund, Quinn P. (Brigham Young University, MERS Laboratory, Provo, UT) and Long, David G.

Large-scale inverse modeling of microwave backscatter from sea ice: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 494-496, illus., 4 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002254

Santoleri, M. (CNR-IFA, Rome, Italy); Ananasso, C.; Argentini, S.; Pirazzini, R.; Vihma, T.; Nardino, M.; Orsini, A.; Calzolari, F.; Georgiadis, T. and Levizzani, V.

A parameterisation scheme for surface and satellite data over sea-ice and snow during the ART-IST project: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 497-499, illus., 2 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002255

Wakabayashi, Hiroyuki (National Space Development Agency of Japan, Tokyo, Japan); Matsuoka, Takeshi; Nakamura, Kazuki and Nishio, Fumihiko.

Monitoring sea ice using polarimetric SAR data; results from Okhotsk and Lake Saroma experiments: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 503-505, illus. incl. 1 table, 6 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002256

Wolfe, Jason (University of Colorado, NSIDC/CIRES, Boulder, CO); Thrasher-Hybl, Tracy and Scambos, Ted.

Polar ice sheet DEMs and topographic data available from the National Snow and Ice Data Center: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 506-508, 7 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002257

Bo Yanchen (Chinese Academy of Sciences, Institute of Geography, Beijing, China) and Feng Xuezhi.

The retrieval of snow-depth using SSM/I remotely sensed data and its results assessment in Qinghai-Xizang (Tibet) Plateau: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 509-511, illus., 9 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002258

Karvonen, Juha (Finnish Institute of Marine Research, Helsinki, Finland).

A simplified pulse-coupled neural network based sea-ice classifier with graphical interactive training: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 681-684, illus., 8 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002259

Soh, Leen-Kiat (University of Kansas, Department of Electrical Engineering and Computer Science, Lawrence, KS) and Tsatsoulis, Costas.

ARKTOS; a knowledge engineering software package for satellite sea ice classification: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; The role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 2, p. 696-698, illus., 2 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

56002262

Hessen, Dag O., editor (University of Oslo, Department of Biology, Oslo, Norway).
UV radiation and Arctic ecosystems: **Ecological Studies**, 153, 321 p., illus. incl. tables, sketch maps, 2001. ISBN: 3-540-42106-8. Individual papers are cited separately.

56002263

Dahlback, Arne (University of Oslo, Department of Physics, Oslo, Norway).
Recent changes in surface ultraviolet solar radiation and stratospheric ozone at a high Arctic site: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 3-22, illus., 35 ref., 2001.

56002264

Aas, Eyvind (University of Oslo, Department of Geophysics, Oslo, Norway); Hokedal, J.; Hojerslev, N. K.; Sandvik, R. and Sakshaug, E.
Spectral properties and UV-attenuation in Arctic marine waters: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 23-56, illus. incl. 5 tables, sketch maps, 80 ref., 2001.

56002265

Orbaek, Jon B. (Norwegian Polar Institute, Atmospheric Sciences, Svalbard, Norway); Svenoe, T. and Hessen, Dag O.
Spectral properties and UV attenuation in Arctic freshwater systems: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 57-72, illus. incl. 1 table, 35 ref., 2001.

56002266

Perovich, D. K. (U. S. Army, Cold Regions Research and Engineering Laboratory, Hanover, NH).
Ultraviolet radiation and the optical properties of sea ice and snow: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 73-89, illus., 56 ref., 2001.
CRREL Report No: ERDC/CRREL MP-02-5798

56002267

Bjorn, Lars Olof (Lund University, Plant Physiology, Lund, Sweden).
Effects of ultraviolet-B radiation on terrestrial organisms and ecosystems with special reference to the Arctic: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 93-121, illus., 149 ref., 2001.

56002268

Leinaas, H. P. (University of Oslo, Department of Biology, Oslo, Norway).
UV tolerance, pigmentation and life forms in high Arctic Collembola: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 123-134, illus., 29 ref., 2001.

56002269

Vincent, Warwick E. (Université Laval, Département de Biologie et Centre d'Études Nordiques, Sainte-Foy, PQ, Canada) and Belzile, C.
UV effects on aquatic microbial food webs in northern lakes and rivers: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 137-155, illus., 88 ref., 2001.

56002270

Hessen, Dag O. (University of Oslo, Department of Biology, Oslo, Norway).

UV radiation and Arctic freshwater zooplankton: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 157-184, illus., 88 ref., 2001.

56002271

Hessen, Dag O. (University of Oslo, Department of Biology, Oslo, Norway); Dahl-Hansen, G. A. and van Donk, E.

UV radiation and the pelagic food web of Arctic freshwaters: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 185-197, illus., 44 ref., 2001.

56002273

Bischof, K. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Hanelt, D. and Wiencke, C.

UV radiation and Arctic marine macroalgae: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 227-243, illus., 69 ref., 2001.

56002274

Herndl, G. J. (Netherlands Institute for Sea Research, Department of Biological Oceanography, Den Burg, Netherlands) and Obernosterer, I.

UV radiation and pelagic bacteria: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 245-259, illus. incl. 2 tables, 57 ref., 2001.

56002275

Browman, Howard I. (Austevoll Aquaculture Research Station, Institute of Marine Research, Storebo, Norway) and Vetter, R. D.

Impacts of ultraviolet radiation on crustacean zooplankton and ichthyoplankton; case studies from subarctic marine ecosystems: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 261-304, illus. incl. 1 table, sketch map, 143 ref., 2001.

56002276

De Fabo, E. C. (George Washington University Medical Center, Laboratory of Photobiology and Photoimmunology, Washington, DC) and Noonan, F. P.

Human health and Arctic ozone depletion: *in UV radiation and Arctic ecosystems* (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 307-315, 39 ref., 2001.

56002277

Romankevich, E. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Vetrov, A. A.; Vinogradov, M. E. and Vedernikov, V. I.

Carbon cycling components in the Arctic seas of Russia; carbon fluxes from land, carbon in the bottom sediments, elements of balance: **Oceanology**, 40(3), p. 335-344, illus. incl. 3 tables, sketch maps, 18 ref., June 2000.

56002278

Sapozhnikov, V. V. (All-Russia Research Institute of Marine Fisheries and Oceanography, Moscow, Russian Federation); Arzhanova, N. V. and Torgunova, N. I.

Hydrochemical peculiarities of anoxic waters in various basins: **Oceanology**, 40(3), p. 345-350, illus., 11 ref., June 2000.

56002279

Aleksandrova, O. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Shevchenko, V. P.; Fahl, K.; Stein, R. and Kolatchek, J.
Recent data on the lipid composition in suspended matter from the intermediate area between the Kara and Laptev seas: **Oceanology**, 40(3), p. 351-355, illus. incl. 1 table, sketch map, 18 ref., June 2000.

56002280

Vinogradov, G. M. (Russian Academy of Sciences, Severtsov Institute of Problems of Ecology and Evolution, Moscow, Russian Federation) and Semenova, T. N.
Some peculiarities of the vertical distribution of mesoplankton in the Norwegian-Greenland Basin: **Oceanology**, 40(3), p. 370-377, illus. incl. 4 tables, 22 ref., June 2000.

56002281

Shuntov, V. P. (Pacific Scientific-Research Center for Marine Fisheries, Vladivostok, Russian Federation).
Interannual dynamics of the summer population of sea birds in the offshore waters of the northern Sea of Okhotsk: **Oceanology**, 40(3), p. 388-395, 3 tables, sketch maps, 19 ref., June 2000.

56002282

Khusid, T. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation).
Benthic foraminifers in the Sea of Okhotsk and the paleoenvironment during the late Quaternary: **Oceanology**, 40(3), p. 406-410, illus. incl. sketch map, 18 ref., June 2000.

56002283

Ponomarenko, V. P. (Interdepartmental Ichthyological Commission, Moscow, Russian Federation).
Fisheries and oil and gas production at the sea shelves of Russia; problems and goals: **Oceanology**, 40(3), p. 447-449, illus., 4 ref., June 2000.

56002284

Dominé, Florent (Centre National de la Recherche Scientifique, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint Martin d'Hères, France) and Xueref, Irène.
Evaluation of depth profiling using laser resonant desorption as a method to measure diffusion coefficients in ice: **Analytical Chemistry (Washington, DC)**, 73(17), p. 4348-4353, illus., September 1, 2001.

56002285

Passchier, Sandra (Ohio State University, Department of Geological Sciences, Columbus, OH).
Provenance of the Sirius Group and related upper Cenozoic glacial deposits from the Transantarctic Mountains, Antarctica; relation to landscape evolution and ice-sheet drainage: **Sedimentary Geology**, 144(3-4), p. 263-290, illus. incl. sects., 4 tables, sketch map, 88 ref., November 1, 2001.

56002286

Christiansen, E. A. (E. A. Christiansen Consulting, Saskatoon, SK, Canada) and Sauer, E. Karl.

Stratigraphy and structure of a late Wisconsinan salt collapse in the Saskatoon Low, south of Saskatoon, Saskatchewan, Canada; an update: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 38(11), p. 1601-1613 (French sum.), illus. incl. sects., 4 tables, sketch maps, 30 ref., November 2001.

56002287

Huon, Sylvain (Université Pierre and Marie Curie, Biogéochimie Isotopique, Paris, France); Grousset, Francis E.; Burdloff, Didier; Bardoux, Gérard and Mariotti, André

Sources of fine-sized organic matter in North Atlantic Heinrich layers; $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ tracers: **Geochimica et Cosmochimica Acta**, 66(2), p. 223-239, illus. incl. 4 tables, sketch map, 109 ref., January 2002.

56002288

Shulmeister, James (Victoria University of Wellington, School of Earth Sciences, Wellington, New Zealand); Shane, Phil; Lian, Olav B.; Okuda, Masaaki; Carter, John A.; Harper, Margaret; Dickinson, Warren; Augustinus, Paul and Heijnis, Henk.

A long late-Quaternary record from Lake Poukawa, Hawke's Bay, New Zealand: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 176(1-4), p. 81-107, illus. incl. sects., 4 tables, sketch map, 77 ref., December 25, 2001. *Radiolaria, diatoms, pollen*

56002289

Li Tiegang (Chinese Academy of Sciences, Institute of Oceanology, Qingdao, China); Liu Zhenxia; Hall, Michael A.; Berne, Serge; Saito, Yoshi; Cang Shuxi and Cheng Zhenbo.
Heinrich event imprints in the Okinawa Trough; evidence from oxygen isotope and planktonic Foraminifera: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 176(1-4), p. 133-146, illus. incl. 4 tables, sketch map, 53 ref., December 25, 2001.

56002290

Carrión, J. S. (Universidad de Murcia, Departamento de Biología Vegetal (Botánica), Murcia, Spain); Riquelme, J. A.; Navarro, C. and Munuera, M.

Pollen in hyaena coprolites reflects late glacial landscape in southern Spain: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 176(1-4), p. 193-205, illus. incl. 5 tables, sketch maps, 46 ref., December 25, 2001.

56002291

Ricketts, Richard D. (University of Minnesota, Large Lakes Observatory, Duluth, MN); Johnson, Thomas C.; Brown, Erik T.; Rasmussen, Kenneth A. and Romanovsky, Vladimir V.

The Holocene paleolimnology of Lake Issyk-Kul, Kyrgyzstan; trace element and stable isotope composition of ostracodes: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 176(1-4), p. 207-227, illus. incl. 1 table, sketch maps, 85 ref., December 25, 2001.

56002292

Broecker, Wallace S. (Lamont-Doherty Earth Observatory, Palisades, NY) and Clark, Elizabeth.

A dramatic Atlantic dissolution event at the onset of the last glaciation: **Geochemistry, Geophysics, Geosystems - G 3**, 2001, 15 p. Paper 2001GC000185, illus. incl. 4 tables, 29 ref., November 2, 2001. WWW. Accessed on Feb. 7, 2002. *Quaternary*

<http://g-cubed.org>

56002293

Broecker, Wallace S. (Lamont-Doherty Earth Observatory, Palisades, NY); Lynch-Stieglitz, Jean; Clark, Elizabeth; Hajdas, Irena and Bonani, Georges.

What caused the atmosphere's CO₂ content to rise during the last 8000 years?: **Geochemistry, Geophysics, Geosystems - G 3**, 2001, 12 p. Paper 2001GC000177, illus. incl. 1 table, 15 ref., October 2, 2001. WWW. Accessed on Feb. 8, 2002.

<http://g-cubed.org>

56002294

Dixon, John C. (University of Arkansas, Department of Geosciences, Fayetteville, AR); Thorn, Colin E.; Darmody, Robert G. and Campbell, Sean W.

Weathering rinds and rock coatings from an Arctic alpine environment, northern Scandinavia: **Geological Society of America Bulletin**, 114(2), p. 226-238, illus. incl. 6 tables, sketch maps, 42 ref., February 2002.

<http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=0114&issue=02&page=0226>

56002296

Hamada, Kometaro (Japan Geothermal Exploration, Tokyo, Japan); Hamada, Masayuki; Iida, Takashi; Akehi, Yuji and Oikawa, Takao.

A snow-melting system based on the heat of geothermal water already used for bathing; planning and designing methods of cascade use of geothermal water in Kusatsu: **Chinetsu = Journal of the Japan Geothermal Energy Association**, 37(2), p. 1-9, (Japanese), illus. incl. 1 table, June 2000.

56002297

Lee, Jai-Young (University of Seoul, Department of Environmental Engineering, Seoul, South Korea) and Miller, Carol J.

Fractal dimension for the cracks of compacted clay liners in the landfill cover system in winter condition: in Special issue on the Korean and Japan structure and tectonics group meeting (Lee, Byung-Joo, editor; *et al.*), **Geosciences Journal (Seoul)**, 4(2), p. 89-93, illus., 14 ref., June 2000. Meeting: 2nd Korea-Japan structure and tectonic conference, Aug. 19-23, 1999, Hokkaido, Japan.

56002298

Robertson, Andrew W. (University of California at Los Angeles, Department of Atmospheric Sciences and Institute of Geophysics and Planetary Physics, Los Angeles, CA).

Influence of ocean-atmosphere interaction on the Arctic Oscillation in two general circulation models: **Journal of Climate**, 14(15), p. 3240-3254, illus. incl. 3 tables, sketch maps, 58 ref., August 1, 2001.

56002299

Durre, Imke (University of Washington, Department of Atmospheric Sciences, Seattle, WA) and Wallace, John M.

Factors influencing the cold-season diurnal temperature range in the United States: **Journal of Climate**, 14(15), p. 3263-3278, illus. incl. 5 tables, sketch maps, 64 ref., August 1, 2001.

56002300

Beringer, Jason (Monash University, School of Geography and Environmental Science, Victoria, Australia); Lynch, Amanda H.; Chapin, F. Stuart, III; Mack, Michelle and Bonan, Gordon B.

The representation of Arctic soils in the land surface model; the importance of mosses: **Journal of Climate**, 14(15), p. 3324-3335, illus. incl. 1 table, 44 ref., August 1, 2001.

56002301

Steinhage, Daniel (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).

Beiträge aus geophysikalischen Messungen in Dronning Maud Land, Antarktis, zur Auffindung eines optimalen Bohrpunktes für eine Eiskerntiefbohrung [Contributions of geophysical measurements in Queen Maud Land, Antarctica, for locating an optimal drill site for deep ice core drilling]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 384, 91 p. (English sum.), illus. incl. sects., tables, sketch maps, 80 ref., 2001. Includes appendices.

56002302

Kim, Dongseon (KORDI, Polar Sciences Laboratory, Seoul, South Korea); Kang, Sung-Ho; Kim, Dong Yup; Lee, Youn-Ho and Kang, Young-Chul.

Distribution of nutrients and phytoplankton biomass in the area around the South Shetland Islands, Antarctica: **Ocean and Polar Research**, 23(2), p. 77-95, (Korean) (English sum.), illus. incl. 1 table, 41 ref., June 2001.

56002303

Australian Antarctic Division.

Southerly prospect; Antarctic science meets new challenges: **Australian Antarctic Magazine**, 1, 65 p., illus., 2001.

56002304

Jung, Thomas (Universität Kiel, Institut für Meereskunde, Kiel, Federal Republic of Germany) and Hilmer, Michael.

The link between the North Atlantic Oscillation and Arctic sea ice export through Fram Strait: **Journal of Climate**, 14(19), p. 3932-3943, illus. incl. 1 table, sketch map, 41 ref., October 1, 2001.

56002305

U. S. Antarctic Inspection Team.

Report of the United States Antarctic inspection, February 2 to February 16, 2001: 77 p., illus. incl. sketch maps, 2001. Available from: U. S. Department of State, Washington, DC, United States. Includes appendix.

56002306

Aoki, Shuji (Tohoku University, Center for Atmospheric and Oceanic Studies, Sendai, Japan); Nakazawa, Takakiyo; Morimoto, Shinji; Hashida, Gen; Shiobara, Masataka and Yamanouchi, Takashi.

Atmospheric CO₂ concentration observed at Syowa Station from 1984 to 1992: **JARE Data Reports**, 251, 55 p., illus. incl. tables, sketch map, 4 ref., July 2000. (Meteorology 34).

56002307

Zosin, A. P. (Institute of Problems of Polar Industrial Ecology, Apatity, Russian Federation); Priimak, T. I. and Koshkina, L. B.

Geochemical transformation of minerals from mine tailings of the "Apatite" Joint-Stock Company under the action of natural and anthropogenic factors: **Geochemistry International**, 38(5), p. 491-499, illus. incl. 7 tables, 20 ref., May 2000.

56002308

Johnsen, Sigfus J. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Dahl-Jensen, Dorthe; Gundestrup, Niels; Steffensen, Jorgen P.; Clausen, Henrik B.; Miller, Heinz; Masson-Delmotte, Valerie; Sveinbjornsdottir, Arný E. and White, James. Oxygen isotope and palaeotemperature records from six Greenland ice-core stations; Camp Century, Dye-3, GRIP, GISP2, Renland and NorthGRIP: **JQS. Journal of Quaternary Science**, 16(4), p. 299-307, illus. incl. sketch map, 69 ref., May 2001.

56002309

Levac, Elisabeth (Dalhousie University, Department of Earth Sciences, Halifax, NS, Canada); de Vernal, Anne and Blake, Weston, Jr.

Sea-surface conditions in northernmost Baffin Bay during the Holocene; palynological evidence: **JQS. Journal of Quaternary Science**, 16(4), p. 353-363, illus. incl. 1 table, sketch maps, 69 ref., May 2001. *Foraminifera*

56002310

Lewis, Colin A. (Rhodes University, Geography Department, Grahamstown, South Africa) and Illgner, Peter M.

Late Quaternary glaciation in Southern Africa; moraine ridges and glacial deposits at Mount Enterprise in the Drakensberg of the Eastern Cape Province, South Africa: **JQS. Journal of Quaternary Science**, 16(4), p. 365-374, illus. incl. 3 tables, sects., sketch maps, 54 ref., May 2001.

56002311

Slonecker, E. Terrence (U. S. Environmental Protection Agency); Jutro, Peter; Mangis, Deborah; True, Michael and Orlick, Brian.

Arctic at risk; GIS, remote sensing aid in developing an ecological risk assessment process: **Earth Observation Magazine**, 8(2), p. 12-17, illus. incl. sketch maps, 8 ref., March 1999.

56002312

Lyu Shuguan' (Moskovskii Gosudarstvenny Universitet, Kafedra Gigrogeologii Sushi, NIL Erozii Pochv i Puslovykh Protsessov im. N. I. Makkavveeva, Moscow, Russian Federation); Chalov, R. S.; Din Tsy'an'; Ivanov, V. V.; Korotaev, V. N.; Li Tsunshyan'; Ian Shunlin' and Ian Shou.

Regional'nye izmeneniiia stoka v zveshennykh nanosov aziatskikh rek v ust'iakh [Regional variability of sediment load in Asian rivers flowing into the ocean]: **Vestnik Moskovskogo Universiteta, Seriia 5: Geografiia**, 2001(3), p. 44-51 (English sum.), illus. incl. 3 tables, 17 ref., June 2001.

56002313

Onton, Daryl John.

An observational and numerical modeling investigation of Great Salt Lake-effect snow: 131 p., Doctoral, 2000, University of Utah, Salt Lake City, UT. *Available from:* Univ. Microfilms.

56002314

Guay, Christopher Kekoa Hiroshi.

Geochemical tracers of Arctic river waters: 103 p., Doctoral, 1999, Oregon State University, Corvallis, OR. *Available from:* Univ. Microfilms.

56002315

Ma Qinyong (Huainan Institute of Technology, Huainan, China).

Strength and wave velocity test on artificially frozen soils: **Journal of Coal Science & Engineering (China)**, 4(2), p. 58-63, 2 tables, 3 ref., December 1998.

56002316

Camoin, Gilbert F. (CEREGE, Aix-en-Provence, France); Ebren, P.; Eisenhauer, A.; Bard, E. and Faure, G.

A 300 000-yr coral reef record of sea level changes, Mururoa Atoll (Tuamotu Archipelago, French Polynesia): *in* Paleoceanology of reefs and carbonate platforms; Miocene to modern (Camoin, Gilbert F., editor), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 175(1-4), p. 325-341, illus. incl. 2 tables, sketch map, 57 ref., December 20, 2001. *Meeting:* International symposium (PRCP'99), Sept. 27-30, 1999, Aix-en-Provence, France.

56002317

Josberger, Edward G. (U. S. Geological Survey, Tacoma, WA) and Mognard, Nelly M.

Southern Ocean monthly wave fields for austral winters 1985-1988 by Geosat radar altimeter: **Journal of Geophysical Research, C, Oceans**, 101(3), p. 6689-6696, illus., 13 ref., March 15, 1996.

56002318

Clark, G. Michael (University of Tennessee, Department of Geological Sciences, Knoxville, TN) and Kite, J. Steven.

An introduction to some recent advances in regolith research in the Appalachians beyond the late Wisconsinan glacial borders: *in* Regolith in the Central and Southern Appalachians (Clark, G. Michael; *et al.*), **Southeastern Geology**, 39(3-4), p. 107-116, illus. incl. 1 table, 34 ref., October 2000. *Meeting:* 44th annual meeting of the Southeastern Section, April 6-7, 1995, Knoxville, TN.

56002319

Pollack, Jonathan (Gannett Fleming, Camp Hill, PA); Ciolkosz, Edward J. and Sevon, William D.

Pedo-geomorphology in the Piedmont Upland of Lancaster County, Pennsylvania: *in* Regolith in the Central and Southern Appalachians (Clark, G. Michael; *et al.*), **Southeastern Geology**, 39(3-4), p. 161-181, illus. incl. 8 tables, sketch map, 37 ref., October 2000. *Meeting:* 44th annual meeting of the Southeastern Section, April 6-7, 1995, Knoxville, TN.

56002320

Eglinton, Margi (Winpey Laboratories, Australia).

Resistance of concrete to destructive agencies: *in* Lea's chemistry of cement and concrete (Hewlett, Peter C., editor), 4th edition, Arnold, London, United Kingdom, p. 299-342, illus. incl. 10 tables, 59 ref., 1998.

56002321

Massazza, Franco (Politecnico Milano, Department of Technology of Materials and Applied Chemistry, Milan, Italy).

Pozzolana and pozzolanic cements: *in* Lea's chemistry of cement and concrete (Hewlett, Peter C., editor), 4th edition, Arnold, London, United Kingdom, p. 471-631, illus. incl. 51 tables, 502 ref., 1998.

56002322

Edmeades, Rodney M. (Trafalgon House Technology, United Kingdom) and Hewlett, Peter C.

Cement admixtures: *in* Lea's chemistry of cement and concrete (Hewlett, Peter C., editor), 4th edition, Arnold, London, United Kingdom, p. 837-901, illus. incl. 12 tables, 103 ref., 1998.

56002323

Pochocka-Szwarc, Katarzyna (Panstwowy Instytut Geologiczny, Warsaw, Poland); Mycielska-Dowgiallo, Elzbieta and Woronko, Barbara.

Nowe spojrzenie na stratygrafie czwartorzedu w otworze Olszewo Wegorzewskie oparte na analizie wybranych cech teksturalnych i mineralno-petrograficznych osadów [New insight on Quaternary stratigraphy of the Olszewo Wegorzewskie Borehole based on the analysis of selected textural and mineralogical-petrographic features]: **Przeglad Geologiczny**, 49(11), p. 1078-1082 (English sum.), sects., 1 table, sketch map, 23 ref., 2001.

56002324

Zwolska, Iwona (PAS, Department of Antarctic Biology, Warsaw, Poland) and Janecki, Tomasz.

Weather and hydrological conditions in the region of Admiralty Bay (King George Island, South Shetlands, Antarctica) in 1998: *in* Polish Polar studies; 26th international Polar symposium; the Polish polar research (Repelewska-Pekalowa, Janina, editor), Maria Curie-Sklodowska University Press, Lublin, Poland, p. 329-338 (Polish sum.), illus. incl. 4 tables, 20 ref., 1999. *Meeting:* June 18-20, 1999, Lublin, Poland.

56002325

Ekes, Csaba (Simon Fraser University, Department of Geography, Burnaby, BC, Canada) and Hickin, Edward J.

Ground penetrating radar facies of the paraglacial Cheekye Fan, southwestern British Columbia, Canada: **Sedimentary Geology**, 143(3-4), p. 199-217, illus. incl. sects., sketch maps, 29 ref., September 1, 2001.

56002326

Hodson, M. E. (Natural History Museum, Department of Mineralogy, London, United Kingdom).

Calculations of weathering rate and soil solution chemistry for forest soils in the Norwegian-Russian border area with the PROFILE model; discussion: **Applied Geochemistry**, 17(2), p. 117-121, 1 table, 14 ref., February 2002. For reference to original see Koptsik, G., Teveldal, S., Aamlid, D. and Venn, K., *Appl. Geochem.*, Vol. 14, p. 173-185, 1999.

56002327

Koptsik, G. (Moscow State University, Soil Science Faculty, Moscow, Russian Federation); Teveldal, S.; Koptsik, S. and Strand, L.

Calculations of weathering rate and soil solution chemistry for forest soils in the Norwegian-Russian border area with the PROFILE model; reply: **Applied Geochemistry**, 17(2), p. 123-127, illus., 12 ref., February 2002. For reference to discussion see Hodson, M. E., **Appl. Geochem.**, Vol. 17, No. 2, p. 117-121, Feb. 2002; for reference to original see Koptsik, G., Tevedal, S., Aamlid, D. and Venn, K., **Appl. Geochem.**, Vol. 14, p. 173-185, 1999.

56002328

Yu Yonghai (National Marine Environmental Monitoring Center, Dalian, China) and Yue Qianjin.

Prediction methods of sheet ice load on conical structures: **Haiyang Xuebao = Acta Oceanologica Sinica**, 22(3), p. 74-85, (Chinese) (English sum.), illus., 11 ref., 2000.

56002329

Shi Qingzeng (Tianjin University, School of Civil Engineering, Tianjin, China) and Xu Yang.

A study on thermal expanding force of confined ice sheet: **Haiyang Xuebao = Acta Oceanologica Sinica**, 22(3), p. 144-148, (Chinese) (English sum.), illus., 6 ref., 2000.

56002330

Kaul, M. K., editor (Geological Survey of India, Faridabad, India).

Inventory of the Himalayan glaciers; a contribution to the International Hydrological Programme: **Special Publication Series - Geological Survey of India**, 34, 165 p., illus. incl. plates, tables, geol. sketch maps, 8 ref., 1999.

56002331

Nemoto, Takahisa (Ocean Research Institute, Tokyo, Japan).

Japan's Ocean Research Institute: **Oceanus (Woods Hole)**, 30(1), p. 48-52, 54, illus. incl. sketch map, 1987.

56002332

Kristoffersen, Yngve; Cooper, Alan and Goodwin, Ian, compilers.

Report of a workshop on geological studies to model Antarctic palaeoenvironments over the past 100 million years: **SCAR Report**, 19, 17 p., illus. incl. tables, 2000. Report of a workshop held July 10-11, 1999, Wellington, New Zealand.

56002333

Francis, Robert C., chairperson (University of Washington, Seattle, WA).

The Bering Sea ecosystem: 307 p., illus. incl. tables, sketch map, 592 ref., 1996. ISBN: 0-309-05345-5 Available from: National Academy Press, Washington, DC, United States. Includes appendices.

56002334

Gaynanov, A. G.; Isayev, Ye. N.; Stroyev, P. A. and Ushakov, S. A.

Izostaziya Beringova morya [Isostasy of the Bering sea]: **Geofizicheskiy Byulleten'**—**Geophysical Bulletin**, 20, p. 15-19 (sum.), sketch maps, 1969. (No. 20).

56002335

Kazanskiy, A. B.

Rezhim tayaniya vysotnykh firnovykh poley v svyazi s problemoy iskusstvennogo vozdeystviya na etot protsess [Melting of high altitude firm fields]: **Geofizicheskiy Byulleten'**—**Geophysical Bulletin**, 20, p. 20-26 (sum.), illus., 1969. (No. 20).

56002338

Gibbs, Mark T. (University of Wisconsin-Madison, Center for Climatic Research, Madison, WI); Rees, P. McAllister; Kutzbach, John E.; Ziegler, Alfred M.; Behling, Pat J. and Rowley, David B.

Simulations of Permian climate and comparisons with climate-sensitive sediments: **Journal of Geology**, 110(1), p. 33-55, illus. incl. 3 tables, sketch maps, 82 ref., January 2002.

56002339

Chapin, F. Stuart, III, editor (University of Alaska, Institute of Arctic Biology, Fairbanks, AK).

Circumpolar extrapolation of Arctic-boreal feedbacks to climate: **Global Change Biology**, 6, Suppl. 1, 223 p., tables, sketch maps, December 2000. Individual papers are cited separately.

56002340

Kittel, Timothy G. F. (National Center for Atmospheric Research, Boulder, CO); Steffen, W. L. and Chapin, F. Stuart, III.

Global and regional modelling of Arctic-boreal vegetation distribution and its sensitivity to altered forcing: *in* Circumpolar extrapolation of Arctic-boreal feedbacks to climate (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 1-18, illus. incl. 2 tables, 96 ref., December 2000.

56002341

Walker, D. A. (University of Alaska Fairbanks, Institute of Arctic Biology, Fairbanks, AK). Hierarchical subdivision of Arctic tundra based on vegetation response to climate, parent material and topography: *in* Circumpolar extrapolation of Arctic-boreal feedbacks to climate (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 19-34, illus. incl. 5 tables, 87 ref., December 2000.

56002342

Malmstrom, Carolyn M. (Michigan State University, Department of Botany and Plant Pathology, East Lansing, MI) and Raffa, Kenneth F.

Biotic disturbance agents in the boreal forest; consideration for vegetation change models: *in* Circumpolar extrapolation of Arctic-boreal feedbacks to climate (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 35-48, 148 ref., December 2000.

56002343

Fleming, Michael D. (U. S. Geological Survey, EROS Field Office, Anchorage, AK); Chapin, F. Stuart, III; Cramer, Wolfgang; Hufford, Gary L.; Cramer, Wolfgang and Serreze, Mark C.

Geographic patterns and dynamics of Alaska climate interpolated from a sparse station record: *in* Circumpolar extrapolation of Arctic-boreal feedbacks to climate (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 49-58, illus. incl. 2 tables, geol. sketch map, 33 ref., December 2000.

56002344

Rouse, Wayne R. (McMaster University, School of Geography and Geology, Hamilton, ON, Canada).

The energy and water balance of high-latitude wetlands; controls and extrapolation: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 59-68, illus. incl. 3 tables, 42 ref., December 2000.

56002345

Baldocchi, Dennis D. (University of California at Berkeley, Department of Environmental Science, Policy and Management, Berkeley, CA); Kelliher, Francis M.; Black, T. A. and Jarvis, Paul.

Climate and vegetation controls on boreal zone energy exchange: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 69-83, illus. incl. 4 tables, 74 ref., December 2000.

56002346

Eugster, Werner (University of Bern, Institute of Geography, Bern, Switzerland); Rouse, Wayne R.; Pielke, Roger A., Sr.; McFadden, Joseph P.; Baldocchi, Dennis D.; Kittel, Timothy G. F.; Chapin, F. Stuart, III; Liston, Glen E.; Vidale, Pier Luigi; Vaganov, Eugene and Chambers, Scott.

Land-atmosphere energy exchange in Arctic tundra and boreal forest; available data and feedbacks to climate: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 84-115, illus. incl. 6 tables, geol. sketch maps, 130 ref., December 2000.

56002347

Williams, Mathew (Marine Biological Laboratory, Ecosystems Center, Woods Hole, MA); Eugster, Werner; Rastetter, Edward B.; McFadden, Joseph P. and Chapin, F. Stuart, III.

The controls on net ecosystem productivity along an Arctic transect; a model comparison with flux measurements: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 116-126, illus. incl. 2 tables, 39 ref., December 2000.

56002348

Clein, J. S. (University of Alaska at Fairbanks, Institute of Arctic Biology, Fairbanks, AK); Kwiatkowski, B. L.; McGuire, A. D.; Hobbie, J. E.; Rastetter, Edward B.; Melillo, J. M. and Kicklighter, D. W.

Modelling carbon responses of tundra ecosystems to historical and projected climate; a comparison of a plot and a global-scale ecosystem and model to identify process-based uncertainties: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 127-140, illus. incl. 3 tables, sketch maps, 63 ref., December 2000.

56002349

McGuire, A. D. (U. S. Geological Survey, Alaska Cooperative Fish and Wildlife Research Unit, Fairbanks, AK); Clein, J. S.; Melillo, J. M.; Kicklighter, D. W.; Meier, R. A.; Vorosmarty, C. J. and Serreze, Mark C.

Modelling carbon responses of tundra ecosystems to historical and projected climate; sensitivity of pan-Arctic carbon storage to temporal and spatial variation in climate: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 141-159, illus. incl. 4 tables, sketch maps, 77 ref., December 2000.

56002350

Oechel, Walter C. (San Diego State University, Department of Biology, San Diego, CA); Vourlites, George L.; Verfaillie, Joseph, Jr.; Crawford, Tim; Brooks, Steve; Dumas, Edward; Hope, Allen; Stow, Douglas; Boynton, Bill; Nosov, Viktor and Zulueta, Rommel.
A scaling approach for quantifying the net CO₂ flux of the Kuparuk River basin, Alaska: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 160-173, illus. incl. 2 tables, 53 ref., December 2000.

56002351

Harden, J. W. (U. S. Geological Survey, Menlo Park, CA); Trumbore, Susan E.; Stocks, B. J.; Hirsch, A.; Gower, S. T.; O'Neill, K. P. and Kasischke, E. S.
The role of fire in the boreal carbon budget: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 174-184, illus. incl. 2 tables, 45 ref., December 2000.

56002352

Keyser, Alisa R. (University of Montana, Numerical Terradynamic Simulation Group, Missoula, MT); Kimball, J. S.; Nemani, R. R. and Running, S. W.
Simulating the effects of climate change on the carbon balance of North American high-latitude forests: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 185-195, illus. incl. 4 tables, 45 ref., December 2000.

56002353

Hobbie, Sarah E. (University of Minnesota, Department of Ecology, Evolution, and Behavior, Saint Paul, MN); Schimel, Joshua P.; Trumbore, Susan E. and Randerson, James R.
Controls over carbon storage and turnover in high-latitude soils: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 196-210, illus. incl. 1 table, 102 ref., December 2000.

56002354

Chapin, F. Stuart, III (University of Alaska, Institute of Arctic Biology, Fairbanks, AK); McGuire, A. D.; Randerson, James R.; Pielke, R., Sr.; Baldocchi, Dennis D.; Hobbie, Sarah E.; Roulet, N.; Eugster, Werner; Kasischke, E. S.; Rastetter, Edward B.; Zimov, S. A. and Running, S. W.
Arctic and boreal ecosystems of western North America as components of the climate system: *in Circumpolar extrapolation of Arctic-boreal feedbacks to climate* (Chapin, F. Stuart, III, editor), **Global Change Biology**, 6, Suppl. 1, p. 211-223, illus. incl. 1 table, 60 ref., December 2000.

56002355

Lagroix, France (University of Minnesota, Institute for Rock Magnetism, Minneapolis, MN) and Banerjee, Subir K.
Paleowind directions from the magnetic fabric of loess profiles in central Alaska: **Earth and Planetary Science Letters**, 195(1-2), p. 99-112, illus. incl. 3 tables, sketch map, 41 ref., January 30, 2002. Includes appendix.

56002356

Dultz, Stefan (University of Hannover, Institute of Soil Science, Hanover, Federal Republic of Germany).

Effects of parent material and weathering on feldspar content in different particle size fractions from forest soils in NW Germany: **Geoderma**, 106(1-2), p. 63-81, illus. incl. 2 tables, sketch map, 35 ref., March 2002.

56002357

Loukas, Athanasios (University of Thessaly, Department of Civil Engineering, Volos, Greece); Vasiliades, Lampros and Dalezios, Nicolas R.

Potential climate change impacts on flood producing mechanisms in southern British Columbia, Canada using the CGCM1 simulation results: **Journal of Hydrology**, 259(1-4), p. 163-188, illus. incl. 9 tables, sketch map, 49 ref., March 1, 2002.

56002358

Gorbarenko, S. A. (Russian Academy of Sciences, Pacific Oceanological Institute, Vladivostok, Russian Federation); Khusid, T. A.; Basov, I. A.; Oba, T.; Southon, J. R. and Koizumi, I.

Glacial Holocene environment of the southeastern Okhotsk Sea; evidence from geochemical and palaeontological data: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(3-4), p. 237-263, illus. incl. 5 tables, sketch map, 80 ref., January 15, 2002. *Foraminifera, diatoms*

56002359

Rich, Thomas H. (Museum Victoria, Melbourne, Victoria, Australia); Vickers-Rich, Patricia and Gangloff, Roland A.

Polar dinosaurs: **Science**, 295(5557), p. 979-980, illus. incl. sketch maps, 16 ref., February 8, 2002.

<http://www.sciencemag.org/cgi/content/full/295/5557/979/>

56002360

Scott, Louis (University of the Free State, Department of Botany and Genetics, Bloemfontein, South Africa).

Grassland development under glacial and interglacial conditions in Southern Africa; review of pollen, phytolith and isotope evidence: *in* Reconstruction and modelling of grass-dominated ecosystems (Beuning, Kristina R. M., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(1-2), p. 47-57, illus. incl. 1 table, sketch maps, 54 ref., January 5, 2002. *Meeting: First Paleo-Grassland Research workshop (PGR 2000)*, 2000, Westbrook, CT.

56002361

Blinnikov, Mikhail (Saint Cloud University, Department of Geography, Saint Cloud, MN); Busacca, Alan and Whitlock, Cathy.

Reconstruction of the late Pleistocene grassland of the Columbia Basin, Washington, USA, based on phytolith records in loess: *in* Reconstruction and modelling of grass-dominated ecosystems (Beuning, Kristina R. M., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(1-2), p. 77-101, illus. incl. sects., 2 tables, sketch maps, 68 ref., January 5, 2002. *Meeting: First Paleo-Grassland Research workshop (PGR 2000)*, 2000, Westbrook, CT.

56002362

Wooller, Matthew J. (University of Wales Swansea, Tropical Palaeoenvironments Research Group, Swansea, United Kingdom) and Agnew, A. D. Q.

Changes in graminoid stomatal morphology over the last glacial-interglacial transition; evidence from Mount Kenya, East Africa: *in* Reconstruction and modelling of grass-dominated ecosystems (Beuning, Kristina R. M., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(1-2), p. 123-136, illus. incl. 3 tables, sketch map, 65 ref., January 5, 2002. *Meeting:* First Paleo-Grassland Research workshop (PGR 2000), 2000, Westbrook, CT.

56002363

Ficken, K. J. (University of Wales Swansea, Tropical Palaeoenvironments Research Group, Swansea, United Kingdom); Wooller, Matthew J.; Swain, D. L.; Street-Perrott, F. A. and Eglinton, G.

Reconstruction of a subalpine grass-dominated ecosystem, Lake Rutundu, Mount Kenya; a novel multi-proxy approach: *in* Reconstruction and modelling of grass-dominated ecosystems (Beuning, Kristina R. M., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(1-2), p. 137-149, illus. incl. sketch map, 42 ref., January 5, 2002. *Meeting:* First Paleo-Grassland Research workshop (PGR 2000), 2000, Westbrook, CT.

56002365

Schmittner, Andreas (University of Victoria, School of Earth and Ocean Sciences, Victoria, BC, Canada); Yoshimori, Masakazu and Weaver, Andrew J.

Instability of glacial climate in a model of the ocean-atmosphere-cryosphere system: **Science**, 295(5559), p. 1489-1493, illus. incl. sketch maps, 40 ref., February 22, 2002.

56002366

Crowley, Thomas S. (Duke University, Division of Earth and Ocean Sciences, Durham, NC).

Cycles, cycles everywhere: **Science**, 295(5559), p. 1473-1474, illus., 7 ref., February 22, 2002.
<http://www.sciencemag.org/cgi/content/full/295/5559/1473>

56002372

Bonan, Gordon and Walsh, John E., chairpersons.

Modeling the Arctic system; a workshop report on the state of modeling in the Arctic system science program: 141 p., illus., February 1997. *Available from:* Arctic Research Consortium of the United States, Fairbanks, Ak, United States. *Meeting:* ARCSS modeling workshop, Jan. 15-16, 1996, Boulder, CO. Individual papers or abstracts within scope are cited separately.

56002385

Ian Jordaan and Associates and Canada Oil and Gas Lands Administration.

Modelling of fracture and production of discrete ice pieces: 49 p., illus., 45 ref., July 1991. *Available from:* Canada Oil and Gas Lands Administration (COGLA), Ottawa, ON, Canada. Development and verification of new ice loads models; final report.

56002387

Bond Architects and Engineers.

Development and verification of new ice load models: variously paginated, illus., 86 ref., November 1990, [July 1991]. *Available from:* Bond Architects and Engineers, Saint John's, NF, Canada. (Prepared in association with Andrew Palmer and Associates, BP International, I.S.E. Engineering, and Offshore Design Associates). Final report.

56002388

C.M.E.L. Enterprises and Canada Oil and Gas Lands Administration.

Stable macrocracking, dynamic unloading and the brittle fracture of ice: variously paginated, illus. incl. 3 tables, 24 ref., April 1991. Available from: Canada Oil and Gas Lands Administration (COGLA), Ottawa, ON, Canada. Development and verification of new ice load models.

56002389

Fleet Technology, Selvadurai & Associates and Canada Oil and Gas Lands Administration.

New ice load model; modelling concepts and results: 71 p., illus. incl. 2 tables, 11 ref., April 1991. Available from: Canada Oil and Gas Lands Administration (COGLA), Ottawa, ON, Canada. Development and verification of new ice load models.

56002394

Dreyer, N. N.

Vodnyy balans Severnoy Ameriki [Water balance of North America]: in the collection Rezul'taty issledovaniy po mezhdunarodnym geofizicheskim proyektam; vodnyy balans materikov zemnogo shara. Izd. Nauka, Moscow, 75 p. (sum.), illus. incl. tables, sketch maps, 210 ref., 1978.

56002396

Gray, A. L. (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Short, N.; Mattar, K. E. and Jezek, K. C.

Velocities and flux of the Filchner Ice Shelf and its tributaries determined from speckle tracking interferometry: **Canadian Journal of Remote Sensing**, 27(3), p. 193-206 (French sum.), illus. incl. 4 tables, 60 ref., June 2001.

56002397

Bohnenstiehl, Kyle (Northern Arizona University, Flagstaff, AZ).

Patagonian Passage; navigating Chile's southern ice cap: **GPS World**, 11(6), p. 24-26, 28, 30-32, 34, 36, illus. incl. 1 table, June 2000.

56002398

Takeuchi, Nozomu (University of Alaska at Fairbanks, System for Global Change, Fairbanks, AK); Kohshima, Shiro and Seko, Katsumoto.

Structure, formation, and darkening process of Albedo-reducing material (cryoconite) on a Himalayan glacier; a granular algal mat growing on the glacier: **Arctic, Antarctic, and Alpine Research**, 33(2), p. 115-122, illus. incl. sketch map, 31 ref., May 2001.

56002404

Kulbe, Thomas (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Melles, Martin; Verkulich, Sergej R. and Pushina, Zina V.

East Antarctic climate and environmental variability over the last 9400 years inferred from marine sediments of the Bunger Oasis: **Arctic, Antarctic, and Alpine Research**, 33(2), p. 223-230, illus. incl. 2 tables, geol. sketch maps, 57 ref., May 2001. *diatoms, spores*

56002405

Ingolfsson, Olafur (Goteborg University, Earth Sciences Centre, Goteborg, Sweden) and Norddahl, Hreggvidur.

High relative sea level during the Bolling Interstadial in Iceland; a relation of ice-sheet collapse and extremely rapid glacial unloading: **Arctic, Antarctic, and Alpine Research**, 33(2), p. 231-243, illus. incl. 1 table, geol. sketch maps, 70 ref., May 2001.

56002406

O'Connor, Jim E. (U. S. Geological Survey); Hardison, Jasper H., III and Costa, John E.
Debris flows from failures Neoglacial-age moraine dams in the Three Sisters and Mount Jefferson wilderness areas, Oregon: **U. S. Geological Survey Professional Paper**, Rep. No. P 1606, 93 p. 2 sheets, illus. incl. 3 tables; colored geomorphologic maps, 155 ref., 2001. Available from: U. S. Geol. Surv., Denver, CO, United States.

56002407

Robinson, Andrew (University of Oxford, Oxford, United Kingdom).
Earth shock; hurricanes, volcanoes, earthquakes, tornadoes and other forces of nature: Thames & Hudson, London, United Kingdom, 304 p., illus., 2002. ISBN: 0-500-28304-4. Revised edition; first edition 1993.

56002408

Curry, Alastair M. (University of Hertfordshire, Department of Environmental Sciences, Hatfield, United Kingdom); Walden, John and Cheshire, D. Allan.
The Nant Ffrancon "protalus rampart"; evidence for late Pleistocene paraglacial landsliding in Snowdonia, Wales: **Proceedings of the Geologists' Association**, 112, Part 4, p. 317-330, illus. incl. sect., 2 tables, geol. sketch map, 73 ref., November 2001.

56002409

Katoh, Eriko (National Institute of Advanced Industrial Science and Technology, Ibaraki, Japan); Yamawaki, H.; Fujihisa, H.; Sakashita, M. and Aoki, K.
Protonic diffusion in high-pressure ice VII: **Science**, 295(5558), p. 1264-1266, illus., 28 ref., February 15, 2002.

56002410

Gille, Sarah T. (Scripps Institution of Oceanography, La Jolla, CA).
Warming of the Southern Ocean since the 1950s: **Science**, 295(5558), p. 1275-1277, illus. incl. sketch maps, 27 ref., February 15, 2002.

56002429

Khrustalev, L. N. (Moskovskii Gosudarstvenny Universitet, Moscow, Russian Federation) and Garagulya, L. S.
Printsipy upravleniya geotekhnicheskimi sistemami v kriolitozone [Principles of management of geotectonic systems in cryolithozone]: **Geoekologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiya**, 1998(5), p. 30-36, 3 tables, 9 ref., October 1998.

56002432

Kopczynski, Sarah E. (University of New Hampshire, Department of Earth Sciences, Durham, NH); Lawson, Daniel and Denner, Jon.
Preliminary results from the application of the Brook90 hydrologic water balance model to a glacierized basin in South central Alaska [abstr.]: in Geological Society of America, Northeastern Section, 34rd annual meeting, **Abstracts with Programs - Geological Society of America**, 31(2), p. 28, March 1999. Meeting: March 22-24, 1999, Providence, RI. CRREL Report No: ERDC/CRREL MP-02-5795

56002433

Antarctica New Zealand.

A New Zealand science strategy for Antarctica and the Southern Ocean: 39 p., illus. incl. 2 tables, 12 ref., September 1998. Available from: New Zealand Antarctic Research Program, New Zealand. Includes appendices.

56002434

Gritsai, Z. I. (Kyiv Shevchenko University, Kiev, Ukraine); Evtushevsky, A. M.; Leonov, N. A. and Milinevsky, G. P.

Comparison of ground-based and TOMS-EP total ozone data for Antarctica and northern midlatitude stations (1996-1999): in Atmospheric studies of optical methods (Kosch, Michael J., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(5-6), p. 459-461, illus. incl. 1 table, 3 ref., 2000. Meeting: 26th annual European meeting, Aug.-Sept. 1999, Katlenburg-Lindau, Federal Republic of Germany.

56002435

Nodder, Scott D. (National Institute of Water and Atmospheric Research, Wellington, New Zealand); Charette, Matthew; Waite, Anya M.; Trull, Tom W.; Boyd, Philip W.; Zeldis, John and Buesseler, Ken O.

Particle transformations and export flux during an in situ iron-stimulated algal bloom in the Southern Ocean: **Geophysical Research Letters**, 28(12), p. 2409-2412, illus. incl. 2 tables, 37 ref., June 15, 2001.

56002436

Midorikawa, Takashi (Japan Meteorological Agency, Tokyo, Japan); Nomura, Kiyoshi; Miyamoto, Yoshinori; Odate, Tsuneo; Ishikawa, Akira; Washiyama, Naoki; Hirawake, Toru and Namiki, Mitsuyuki.

Report on phytoplankton pigments measured during the JARE-36~39 cruises to Syowa Station, Antarctica in 1994-1998: **JARE Data Reports**, 249, 36 p., tables, sketch maps, 7 ref., March 2000. (Marine Biology 29).

56002437

Argentini, Stefania (Consiglio Nazionale delle Ricerche, Istituto di Fisica dell'Atmosfera, Rome, Italy); Petenko, Igor V.; Mastrandri, Gianguseppe; Bezverkhniy, Viacheslav A. and Viola, Angelo P.

Spectral characteristics of East Antarctica meteorological parameters during 1994: **Journal of Geophysical Research, D, Atmospheres**, 106(12), p. 12,463-12,476, illus. incl. 1 table, geol. sketch map, 39 ref., June 27, 2001.

56002438

Turner, John (National Environmental Research Council, British Antarctic Survey, Cambridge, United Kingdom); Lachlan-Cope, Tom A.; Marshall, Gareth J.; Pendlebury, Stephen and Adams, Neil.

An extreme wind event at Casey Station, Antarctica: **Journal of Geophysical Research, D, Atmospheres**, 106(7), p. 7291-7311, illus. incl. 3 tables, geol. sketch maps, 42 ref., April 16, 2001.

56002439

Sigman, D. M. (Woods Hole Oceanographic Institution, Woods Hole, MA); Altabet, Mark A.; McCorkle, D. C.; François, R. and Fischer, G.

The $\delta_{15}\text{N}$ of nitrate in the Southern Ocean; nitrogen cycling and circulation in the ocean interior: **Journal of Geophysical Research, C, Oceans**, 105(8), p. 19,599-19,614, illus. incl. sects., 1 plate, 1 table, geol. sketch map, 61 ref., August 15, 2000.

56002440

Hall, Ian R. (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom); McCave, I. Nicholas; Shackleton, Nicholas J.; Weedon, Graham P. and Harris, Sara E.

Intensified deep Pacific inflow and ventilation in Pleistocene glacial times: **Nature (London)**, 412(6849), p. 809-812, illus. incl. sketch map, 32 ref., August 23, 2001.

56002441

Naithani, Jaya (Consiglio Nazionale delle Ricerche, Istituto di Fisica dell'Atmosfera, Rome, Italy); Mastrantonio, G.; Argentini, S. and Pettré, Paul.

Influence of cyclonic perturbations on surface winds around Dumont d'Urville, East Antarctica, using wavelet transform: **Journal of Geophysical Research, D, Atmospheres**, 106(15), p. 17,093-17,102, illus. incl. 4 plates, geol. sketch map, 35 ref., August 16, 2001.

56002442

Moore, Jason Kendall.

A sort of self-denial; United States policy toward the Antarctic, 1950-59: **Polar Record**, 37(200), p. 13-26, 2001.

56002443

Legrand, Michel (Centre National de la Recherche Scientifique, Laboratoire de Glaciologie et Géophysique, St. Martin d'Hères, France); Sciare, Jean; Jourdain, Bruno and Genton, Christophe.

Subdaily variations of atmospheric dimethylsulfide, dimethylsulfoxide, methanesulfonate, and non-sea-salt sulfate aerosols in the atmospheric boundary layer at Dumont d'Urville (coastal Antarctica) during summer: **Journal of Geophysical Research, D, Atmospheres**, 106(13), p. 14,409-14,422, illus. incl. 2 tables, geol. sketch map, 24 ref., July 16, 2001.

56002444

Jourdain, Bruno (Centre National de la Recherche Scientifique, Laboratoire de Glaciologie et Géophysique, St. Martin d'Hères, France) and Legrand, Michel.

Seasonal variations of atmospheric dimethylsulfide, dimethylsulfoxide, sulfur dioxide, methanesulfonate, and non-sea-salt sulfate aerosols at Dumont d'Urville (coastal Antarctica) (December 1998 to July 1999): **Journal of Geophysical Research, D, Atmospheres**, 106(13), p. 14,391-14,408, illus. incl. 3 plates, 4 tables, 39 ref., July 16, 2001.

56002445

Score, Robbie, compiler (Antarctic Support Associates, Englewood, CO).

McMurdo Area Users' Committee (MAUC) meeting: 20 p., illus., 1999. Available from: Antarctic Support Associates, Englewood, CO, United States. Meeting: May 17-18, 1999, Arlington, VA. Includes appendices.

56002446

Odate, Tsuneo (Hokkaido University, Faculty of Fisheries, Hakodate, Japan); Shiga, Naonobu; Saitoh, Sei-ichi; Miyoi, Takako and Takagi, Shogo.

Distribution of phytoplankton abundance and physical properties on the southeastern shelf of the Bering Sea in summer: *in Twentieth symposium on Polar biology* (Kanda, Hiroshi, convener; *et al.*), **Polar Bioscience**, 12, p. 1-14, illus., 24 ref., February 1999. *Meeting*: Dec. 4-5, 1997, Tokyo, Japan.

56002447

Bekku, Yukiko (National Institute of Polar Research, Department of Biology, Tokyo, Japan); Kume, Atsushi; Nakatsubo, Takayuki; Masuzawa, Takehiro; Kanda, Hiroshi and Koizummi, Hiroshi.

Microbial biomass in relation to primary succession on Arctic deglaciated moraines: *in Twentieth symposium on Polar biology* (Kanda, Hiroshi, convener; *et al.*), **Polar Bioscience**, 12, p. 47-53, illus. incl. 2 tables, 17 ref., February 1999. *Meeting*: Dec. 4-5, 1997, Tokyo, Japan.

56002448

Kojima, Satoru (Toyama University, Department of Biosphere Science, Toyama, Japan) and Wada, Naoya.

Ecological characterization of some selected vascular species in the Arctic environment of Ny-Alesund, Svalbard, in relation to soil moisture conditions: *in Twentieth symposium on Polar biology* (Kanda, Hiroshi, convener; *et al.*), **Polar Bioscience**, 12, p. 76-86, illus. incl. 1 table, 21 ref., February 1999. *Meeting*: Dec. 4-5, 1997, Tokyo, Japan.

56002449

Wada, Naoya (Toyama University, Department of Biosphere Science, Toyama, Japan); Kudo, Gaku and Kojima, Satoru.

Gender variation of Dryas octopetala along snowmelt and latitudinal gradients in the Subarctic and the High Arctic: *in Twentieth symposium on Polar biology* (Kanda, Hiroshi, convener; *et al.*), **Polar Bioscience**, 12, p. 87-99, illus. incl. 3 tables, 38 ref., February 1999. *Meeting*: Dec. 4-5, 1997, Tokyo, Japan.

56002450

Kudo, Gaku (Hokkaido University, Graduate School of Environmental Earth Science, Sapporo, Japan) and Suzuki, Shizuo.

Flowering phenology of alpine plant communities along a gradient of snowmelt timing: *in Twentieth symposium on Polar biology* (Kanda, Hiroshi, convener; *et al.*), **Polar Bioscience**, 12, p. 100-113, illus. incl. 3 tables, 31 ref., February 1999. *Meeting*: Dec. 4-5, 1997, Tokyo, Japan.

56002451

Guilderson, T. P. (Lawrence Livermore National Laboratory, Center for Accelerator Mass Spectrometry, Livermore, CA); Burckle, L.; Hemming, S. and Peltier, W. R.

Late Pleistocene sea level variations derived from the Argentine Shelf: **Geochemistry, Geophysics, Geosystems - G** 3, 1, paper number 2000GC000098, illus., December 15, 2000. WWW. Accessed on September 10, 2001.

<http://g-cubed.org>

56002452

Tveit, Egil (FMC Kongsberg Subsea, Norway); Jordan, David; Isenor, Randy and McInnes, Robert.

Subsea facilities; challenges and interfaces in Jeanne d'Arc Basin environmental conditions: *in* Proceedings of the 32nd annual offshore technology conference; Platform and marine system design, **Proceedings - Offshore Technology Conference**, 32, Vol. 2, p. 233-240, illus. incl. 1 table, sketch maps, 2000. *Meeting*: May 1-4, 2000, Houston, TX. OTC 11917.

56002453

Palmer, Andrew (Cambridge University, Cambridge, United Kingdom).

Are we ready to construct submarine pipelines in the Arctic?: *in* Proceedings of the 32nd annual offshore technology conference; Construction and installation/field drilling and development systems, **Proceedings - Offshore Technology Conference**, 32, Vol. 3, p. 737-744, illus., 18 ref., 2000. *Meeting*: May 1-4, 2000, Houston, TX. OTC 12183.

56002454

Mackey, Brendan G. (Commonwealth Scientific and Industrial Research Organization, Division of Land and Water, Canberra, Australia); Mullen, Ian C.; Baldwin, Kenneth A.; Gallant, John C.; Sims, Richard A. and McKenney, Daniel W.

Towards a spatial model of boreal forest ecosystems; the role of digital terrain analysis: *in* Terrain analysis; principles and applications (Wilson, John P., editor; *et al.*), John Wiley & Sons, New York, NY, p. 391-422, illus. incl. 6 tables, sketch map, 2000.

56002455

Pavlov, A. V. (Rossiiskaia Akademii Nauk, Institut Kriosfery Zemli, Tyumen, Russian Federation) and Gravis, G. F.

Vechnaia merzlotu i sovremenny klimat [Permafrost and the present-day climate]: **Priroda**, 2000(4), p. 10-18 (English sum.), illus. incl. sketch map, April 2000.

56002456

Li Zhen (Chinese Academy of Sciences, Institute of Glaciology and Geology, Lanzhou, China); Sun Wenxin and Zeng Qunzhu.

Deriving glacier change information for the Qinghai-Xizang Plateau using integrated RS and GIS techniques: **Acta Geographica Sinica**, 54(3), p. 263-268, (Chinese) (English sum.), 3 tables, 7 ref., 1999.

56002457

Gordon, Shulamit (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada); Sharp, Martin; Hubbard, Bryn; Willis, Ian; Smart, Chris; Copland, Luke; Harbor, Jon and Ketterling, Bradley.

Borehole drainage and its implications for the investigation of glacier hydrology; experiences from Haut Glacier d'Arolla, Switzerland: **Hydrological Processes**, 15(5), p. 797-813, illus. incl. 1 table, sketch map, 48 ref., April 15, 2001.

56002458

Veski, Siim (Tallinn Technology University, Institute of Geology, Tallinn, Estonia); Heinsalu, Atko; Kirsimae, Kalle; Poska, Anneli and Saarse, Leili.

Ecological catastrophe in connection with the impact of the Kaali Meteorite about 800-400 B.C. on the island of Saaremaa, Estonia: **Meteoritics & Planetary Science**, 36(10), p. 1367-1375, illus. incl. sect., sketch map, 55 ref., October 2001.

56002459

van den Hurk, B. J. J. M. (Royal Netherlands Meteorological Institute, De Bilt, Netherlands); **Graham, L. P.** and **Viterbo, P.**

Comparison of land surface hydrology in regional climate simulations of the Baltic Sea catchment: **Journal of Hydrology**, 255(1-4), p. 169-193, illus. incl. 2 tables, sketch maps, 50 ref., January 2, 2002.

56002460

Mangerud, Jan (University of Bergen, Department of Geology, Bergen, Norway); **Astakhov, Valery** and **Svendsen, John-Inge**.

The extent of the Barents-Kara ice sheet during the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 111-119, illus. incl. strat. cols., sect., sketch maps, 38 ref., January 2002.

56002461

Luo Chengde (Leshan Teacher College, Department of Geography, Sichuan, China).

Fossil glacial landforms in Ma'an Mountain, Sichuan: **Dili Kexue = Scientia Geographica Sinica**, 17(3), p. 285-288, (Chinese) (English sum.), illus., August 1997.

56002462

Jakobsson, Martin; Cherkis, Norman; Woodward, John; Macnab, Ron and Coakley, Bernard.

New grid of Arctic bathymetry aids scientists and mapmakers: **Earth in Space**, 12(6), p. 8-12, illus., February 2000.

56002463

Black, G. J. (NRAO, Green Bank, WV); **Campbell, D. B. and Nicholson, P. D.**

Icy Galilean satellites; modeling radar reflectivities as a coherent backscatter effect: **Icarus**, 151(2), p. 167-180, illus. incl. 4 tables, 43 ref., June 1, 2001. Includes appendix; accessed on Dec. 5, 2001.

<http://www.idealibrary.com/links/doi/10.1006/icar.2001.6616>

56002464

West, Richard G. (University of Cambridge, Department of Botany, Cambridge, United Kingdom).

Plant life of the Quaternary cold stages; evidence from the British Isles: Cambridge University Press, Cambridge, United Kingdom, 320 p., illus. incl. tables, sketch maps, 263 ref., 2000. ISBN: 0-521-59397-2. Includes a CD-ROM.

56002465

Hansen, B. (Fisheries Laboratory of the Faroes, Torshavn, Faeroe Islands) and **Osterhus, S.**

North Atlantic-Nordic seas exchanges: **Progress in Oceanography**, 45(2), p. 109-208, illus. incl. 4 tables, geol. sketch maps, 225 ref., 2000.

56002466

Simmonds, Ian (University of Melbourne, School of Earth Sciences, Parkville, Victoria, Australia) and **Richter, Tim**.

Synoptic comparison of cold events in winter and summer in Melbourne and Perth: **Theoretical and Applied Climatology**, 67(1-2), p. 19-32, illus. incl. 1 table, 33 ref., 2000.

56002467

Stafford, J. M. (University of Alaska at Fairbanks, Fairbanks, AK); Wendler, G. and Curtis, J.

Temperature and precipitation of Alaska; 50 year trend analysis: **Theoretical and Applied Climatology**, 67(1-2), p. 33-44, illus. incl. 2 tables, sketch maps, 29 ref., 2000.

56002468

Chatenay, Allan (Schlumberger's Evaluation Seismic Division, Canada).

Seismic surveys; getting geophysical with GPS: **GPS World**, 11(5), p. 22-30, illus., May 2000.

56002469

Thiede, Jörn (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Bauch, Henning A.; Hjort, Christian and Mangerud, Jan.

The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. vii-x, sketch map, 3 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. Editorial.

56002470

Eden, David J. (Golder Associates, Mississauga, ON, Canada) and Eyles, Nicholas.

Description and numerical model of Pleistocene iceberg scours and ice-keel turbated facies at Toronto, Canada: **Sedimentology**, 48(5), p. 1079-1102, illus. incl. 2 tables, sketch map, 31 ref., October 2001.

56002471

Beloglazov, M. I. (Polar Geophysical Institute, Apatity Murmansk Region, Apatity, Russian Federation); Karpechko, A. Yu.; Nikulin, G. N. and Roumiantsev, S. A.

Surface ozone dynamics in the Kola Peninsula region: *in* Atmospheric studies of optical methods (Kosch, Michael J., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(5-6), p. 431-433, illus., 4 ref., 2000. *Meeting:* 26th annual European meeting, Aug.-Sept. 1999, Katlenburg-Lindau, Federal Republic of Germany.

56002472

Cierpka, K. (Max Planck Institut für Aeronomie, Katlenburg-Lindau, Federal Republic of Germany); Kosch, M. J.; Rietveld, M. T.; Schlegel, K. and Hagfors, T.

Direct calculation of F-region Joule heating from simultaneous ion and neutral measurements at high latitudes: *in* Atmospheric studies of optical methods (Kosch, Michael J., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(5-6), p. 439-442, illus., 15 ref., 2000. *Meeting:* 26th annual European meeting, Aug.-Sept. 1999, Katlenburg-Lindau, Federal Republic of Germany.

56002473

Sergienko, T. (Russian Academy of Sciences, Polar Geophysical Institute, Apatity, Russian Federation); Gustavsson, B.; Steen, A.; Brandstrom, U.; Rietveld, M. T.; Leyser, T. B. and Honary, F.

Analysis of excitation of the 630.0 nm airglow during a heating experiment in Tromso on February 16, 1999: *in* Atmospheric studies of optical methods (Kosch, Michael J., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(5-6), p. 531-535, illus., 22 ref., 2000. *Meeting:* 26th annual European meeting, Aug.-Sept. 1999, Katlenburg-Lindau, Federal Republic of Germany.

56002474

Harvey, N. (University of Adelaide, Department of Geographical and Environmental Studies, Adelaide, South Aust., Australia); Belperio, A.; Bourman, R. and Mitchell, W. Geologic, isostatic and anthropogenic signals affecting sea level records at tide gauge sites in southern Australia: *in* Global and regional sea-level changes and the hydrological cycle (Sahagian, Dork, editor; *et al.*), **Global and Planetary Change**, 32(1), p. 1-11, illus. incl. 1 table, sketch map, 42 ref., December 2001. *Meeting:* First Vening-Meinesz conference, Oct. 1999, Sardinia, Italy.

56002475

Pitkanen, Aki (University of Joensuu, Department of Ecology, Joensuu, Finland); Lehtonen, Hannu and Huttunen, Pertti.

Comparison of sedimentary microscopic charcoal particle records in a small lake with dendrochronological data; evidence for the local origin of microscopic charcoal produced by forest fires of low intensity in Eastern Finland: **The Holocene**, 9(5), p. 559-567, illus. incl. 2 tables, sketch map, 60 ref., 1999.

56002476

Eronen, Matti (University of Helsinki, Department of Geology, Helsinki, Finland); Hyvarinen, Hannu and Zetterberg, Pentti.

Holocene humidity changes in northern Finnish Lapland inferred from lake sediments and submerged Scots pines dated by tree-rings: **The Holocene**, 9(5), p. 569-580, illus. incl. 2 tables, sketch maps, 51 ref., 1999.

56002477

Jonsson, Anders (Umea University, Department of Ecology and Environmental Science, Umea, Sweden); Meili, Markus; Bergstrom, Ann-Kristin and Jansson, Mats.

Whole-lake mineralization of allochthonous and autochthonous organic carbon in a large humic lake (Ortrasket, N. Sweden): **Limnology and Oceanography**, 46(7), p. 1691-1700, illus. incl. 6 tables, 37 ref., November 2001.

56002478

Miyamoto, Masayuki (Hokkaido University, Sapporo, Japan).

Distribution of shattered clasts at a nivation hollow in Mt. Koizumidake, the Daisetsu Mountains: **Chirigaku Hyoron = Geographical Review of Japan**, 73(5), p. 448-458, (Japanese) (English sum.), illus. incl. sketch map, 27 ref., May 2000.

56002479

Aoki, Tatsuto (University of Tokyo, Department of Earth and Planetary Science, Tokyo, Japan).

Chronometry of glacial deposits by the ^{10}Be exposure dating method; a case study in the Senjojiki and Nogaike cirques, northern Kiso Mountain Range, central Japan: **Daiyonki-Kenkyu = Quaternary Research**, 39(3), p. 189-198, (Japanese) (English sum.), illus. incl. 1 table, 31 ref., 2000.

56002480

Rogachev, Konstantin A. (Pacific Oceanological Institute, Vladivostok, Russian Federation).

Rapid thermohaline transition in the Pacific western subarctic and Oyashio fresh core eddies:

Journal of Geophysical Research, C, Oceans, 105(4), p. 8513-8526, illus. incl. 1 table, geol. sketch maps, 39 ref., April 15, 2000.

56002481

Kämpf, Jochen (Universität Hamburg, Institut für Meereskunde, Hamburg, Federal Republic of Germany).

Impact of multiple submarine channels on the descent of dense water at high latitudes: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8753-8773, illus. incl. 1 table, block diag., 41 ref., April 15, 2000.

56002482

Martin, T. (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany) and Augstein, E.

Large-scale drift of Arctic Sea ice retrieved from passive microwave satellite data: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8775-8788, illus. incl. 2 tables, geol. sketch map, 43 ref., April 15, 2000.

56002483

Winsor, Peter (Goteborg University, Department of Earth Sciences, Goteborg, Sweden) and Bjork, Goran.

Polynya activity in the Arctic Ocean from 1958 to 1997: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8789-8803, illus. incl. geol. sketch map, 4 tables, sects., 31 ref., April 15, 2000.

56002484

Johnson, Donald R. (Naval Research Laboratory, Stennis Space Center, MS); Asper, Vernon; McClimans, Thomas A. and Weidemann, Alan.

Optical properties of the Kara Sea: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8805-8811, illus. incl. geol. sketch map, sects., 18 ref., April 15, 2000.

56002485

Stein, Peter J. (Scientific Solutions, Hollis, NH); Lewis, James K.; Parinella, James C. and Euerle, Steven E.

Under-ice noise resulting from thermally induced fracturing of the arctic ice pack; theory and a test case application: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8813-8826, illus. incl. 1 table, 27 ref., April 15, 2000.

56002486

Arrigo, Kevin R. (Stanford University, Department of Geophysics, Stanford, CA); DiTullio, Giacomo R.; Dunbar, Robert B.; Robinson, Dale H.; van Woert, Michael; Worthen, Denise L. and Lizotte, Michael P.

Phytoplankton taxonomic variability in nutrient utilization and primary production in the Ross Sea: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8827-8846, illus. incl. 10 plates, 2 tables, geol. sketch map, 45 ref., April 15, 2000.

56002487

Li, Sheng (Seiconsult Marine Research, Vancouver, BC, Canada) and McClimans, Thomas A.

On the stability of barotropic prograde and retrograde jets along a bottom slope: **Journal of Geophysical Research, C, Oceans**, 105(4), p. 8847-8855, illus. incl. geol. sketch map, 33 ref., April 15, 2000.

56002488

Morawski, Wojciech (Panstwowy Instytut Geologiczny, Warsaw, Poland).

Czy ostatnie zlodowacenie obejmowało wschodnie Mazowsze i Podlasie? [Did the last glaciation cover the eastern Mazovian and the Podlasie regions?]: **Przeglad Geologiczny**, 49(6), p. 551-558 (English sum.), illus., 56 ref., 2001.

56002489

O'Brien, P. E. (Australian Geological Survey Organisation, Canberra, Australia); Cooper, A. K.; Richter, C.; Macphail, M. and Truswell, E. M.

Milestones in Antarctic ice sheet history; preliminary results from Leg 188 drilling in Prydz Bay, Antarctica: **JOIDES Journal**, 26(2), p. 4-10, illus. incl. strat. col., sketch map, 9 ref., 2000. *diatoms, pollen*

56002490

Allen, J. R. L. (University of Reading, Postgraduate Research Institute for Sedimentology and Department of Archaeology, Reading, United Kingdom).

Late Quaternary stratigraphy in the Gwent Levels (Southeast Wales); the subsurface evidence: **Proceedings of the Geologists' Association**, 112, Part 4, p. 289-315, illus. incl. sect., strat. cols., 2 tables, geol. sketch maps, 95 ref., November 2001.

56002491

Etienne, James L. (University of Wales, Centre for Glaciology, Aberystwyth, United Kingdom).

Middle Pleistocene glaciogenic sediments at Holwell, Hertfordshire; a record of a fluctuating Anglian ice margin: **Proceedings of the Geologists' Association**, 112, Part 4, p. 361-371, illus. incl. strat. cols., 1 table, sketch map, 48 ref., November 2001. *Foraminifera, palynomorphs*

56002492

Maksimov, E. V.

Dlitel'nost' poslednego lednikovogo perioda v Antarktide [Duration of last glacial period in Antarctica]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 130(6), p. 71-81, illus., 19 ref., December 1998.

56002493

Lyons, W. Berry (University of Alabama, Department of Geology, Tuscaloosa, AL); Howard-Williams, Clive and Hawes, Ian, editors.

Ecosystem processes in Antarctic ice-free landscapes: A. A. Balkema, Rotterdam, Netherlands, 281 p., illus., 4 ref., 1997. ISBN: 90-5410-925-4. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand. Individual papers within scope are cited separately.

56002494

Campbell, I. B. (Land and Soil Consultancy Services, Nelson, New Zealand); Claridge, G. G. C.; Balks, M. R. and Campbell, D. I.

Moisture content in soils of the McMurdo Sound and dry valley region of Antarctica: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 61-76, illus. incl. 1 table, sketch map, 12 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002495

Claridge, G. G. C. (Land and Soil Consultancy Services, Nelson, New Zealand); Campbell, I. B. and Balks, M. R.

Ionic migration in soils of the dry valley region: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 137-143, illus. incl. sketch map, 11 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002496

Lyons, W. Berry (University of Alabama, Department of Geology, Tuscaloosa, AL); Welch, K. A.; Nezat, C. A.; Crick, K.; Toxey, J. K.; Mastrine, J. A. and McKnight, D. M.

Chemical weathering rates and reactions in the Lake Fryxell Basin, Taylor Valley; comparison to temperate river basins: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 147-154, 5 tables, 29 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002497

Howard-Williams, Clive (National Institute of Water and Atmospheric Research, Christchurch, New Zealand); Hawes, Ian; Schwarz, A. M. and Hall, J. A.

Sources and sinks of nutrients in a polar desert stream, the Onyx River, Antarctica: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 155-170, illus. incl. 5 tables, sketch map, 21 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002498

Roberts, D. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia) and McMinn, A.

Palaeosalinity reconstruction from saline lake diatom assemblages in the Vestfold Hills, Antarctica: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 207-219, illus. incl. 2 tables, 48 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002499

Webster, J. G. (Institute of Environmental Science and Research, Auckland, New Zealand); Webster, K. S. and Hawes, Ian.

Trace metal transport and speciation in Lake Wilson; a comparison with Lake Vanda: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 221-230, illus. incl. 1 table, sketch maps, 10 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002500

Aislabie, Jackie (Manaaki Whenua, Landcare Research, Hamilton, New Zealand).

Hydrocarbon-degrading bacteria in oil-contaminated soils near Scott Base, Antarctica: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 253-258, 2 tables, 15 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002501

Burgess, J. S. (University of New South Wales, Department of Geography and Oceanography, Sydney, N.S.W., Australia) and Kaup, E.

Some aspects of human impact on lakes in the Larsemann Hills, Princess Elizabeth Land, eastern Antarctica: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 259-264, 2 tables, sketch maps, 9 ref., 1997.

Meeting: International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002502

Waterhouse, Emma J. (Antarctica New Zealand, Christchurch, New Zealand).

Implementing the protocol on ice free land; the New Zealand experience at Vanda Station: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 265-274, 8 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002503

Walton, David H. (British Antarctic Survey, Cambridge, United Kingdom); Vincent, Warwick F.; Timperley, Michael H.; Hawes, Ian and Howard-Williams, Clive.

Synthesis; polar deserts as indicators of change: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 275-279, 4 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002504

Eyles, N. (University of Toronto, Environmental Earth Sciences, Scarborough, ON, Canada); Eyles, C. H. and Gostin, V. A.

Iceberg rafting and scouring in the Early Permian Shoalhaven Group of New South Wales, Australia; evidence of Heinrich-like events?: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 136(1-4), p. 1-17, illus. incl. sects., 65 ref., December 15, 1997.

56002505

Kawahata, Hodaka (Geological Survey of Japan, Tsukuba, Japan).

Paleoceanographic studies in the north-western Pacific with respect to carbon cycle:

Chikyukagaku (Tokyo. 1967) = Geochemistry (Tokyo. 1967), 31(3), p. 153-162, (Japanese) (English sum.), illus., 36 ref., 1997.

56002506

Zheng Honghan (Chinese Academy of Sciences, Guangzhou Institute of Geochemistry, Guangzhou, China) and Huang Baolin.

Antarctic glacial retreats and the records of sea level change in deposits at the north bank of the Shenzhen Bay, South China: **Zhongguo Diqu Huaxue Xuebao = Chinese Journal of Geochemistry**, 16(2), p. 154-161, illus. incl. 2 tables, sect., 9 ref., June 1997.

56002507

Liu Leibao (Polar Research Institute of China, Shanghai, China); Kang Jiancheng; Wen Jiabong and Wang Dali.

The preliminary geochemical study on SD4 ice core from small dome, Collins ice cap, King George Island, Antarctica: **Haiyang Dizhi yu Disiji Dizhi = Marine Geology & Quaternary Geology**, 17(3), p. 7-16, (Chinese) (English sum.), illus. incl. plates, tables, August 1997.

56002508

Barr, Fred J. (Halliburton Geophysical Services, Houston, TX); Nyland, David L. and Sitton, Gary A.

Attenuation of flexural ice waves and random noise using both geophones and hydrophones [abstr.]: *in* Society of Exploration Geophysicists; expanded abstracts with biographies; 1993 technical program; 63rd annual meeting and international exhibition, **SEG Annual Meeting Expanded Technical Program Abstracts with Biographies**, 63, p. 558-561, illus., 7 ref., 1993. *Meeting:* Sept. 26-30, 1993, Washington, DC.

56002510

Pejrup, Morten (University of Copenhagen, Institute of Geography, Copenhagen, Denmark) and Andersen, Thorbjorn J.

The influence of ice on sediment transport, deposition and reworking in a temperate mudflat area, the Danish Wadden Sea: *in* Intertidal mudflats, properties and processes; Part II, Mudflat processes (Dyer, K. R., editor), **Continental Shelf Research**, 20(12-13), p. 1621-1634, illus. incl. geol. sketch map, 15 ref., 2000. (Nearshore and costal oceanography). *Meeting:* April 12-16, 1999, Plymouth, United Kingdom.

56002513

Hosoda, Mayumi Ogawa (Tokyo Metropolitan University, Tokyo, Japan).

Snow precipitation amount and its sensitivity to global warming during winter season in Japan: *in* Special issue in honor of Professor Michio Nogami (Masuda, Kooiti, prefacer; *et al.*), **Geographical Reports of Tokyo Metropolitan University**, 35, p. 1-10, illus. incl. 3 tables, 11 ref., 2000.

56002514

Maslov, A. D. (PechorNIPIneft', Russian Federation).

Kriosinerezis i ego rol' v preobrazovanii morskikh osadkov na stadii diageneza [Cryosyneresis and its role in transformation of marine sediments at diagenesis]: **Geoekologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiia**, 1992(1), p. 40-49, illus. incl. 1 table, 9 ref., February 1992.

56002515

Raukas, A. V. (Estonian Academy of Sciences, Institute of Geology, Estonia).

Litogenet v oblasti materikovykh oledenenii [Lithogenesis in an area of continental ice development]: **Geoekologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiia**, 1992(1), p. 72-81, illus. incl. tables, sect., 22 ref., February 1992.

56002516

Nevecherya, V. L. (Moskovskii Geologorazvedochnyy Institut, Moscow, Russian Federation).

Informatsionnoe inzhenerno-geologicheskoe obespechenie monitoringa slozhnykh prirodno-tehnicheskikh sistem (na primere gazovykh promyslov v kriolitozone) [Engineering geology information system for complicated natural-engineering systems monitoring; oil and gas production fields in the cryolithozone]: **Geoekologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiia**, 1992(1), p. 82-89, 6 ref., February 1992.

56002518

Dominic, David F. (Wright State University, Department of Geological Sciences, Dayton, OH); Ritzi, Robert W., Jr.; Reboulet, Edward C. and Zimmer, Amber C.

Geostatistical analysis of facies distributions; elements of a quantitative facies model: *in* Hydrogeologic models of sedimentary aquifers (Fraser, Gordon S., editor; *et al.*), **SEPM Concepts in Hydrogeology and Environmental Geology**, 1, p. 137-146, illus. incl. 1 table, sketch map, 31 ref., April 1998.

56002602

Hsieh, William W. (University of British Columbia, Department of Earth and Ocean Sciences, Vancouver, BC, Canada) and Tang, Benyang.

Interannual variability of accumulated snow in the Columbia Basin, British Columbia: **Water Resources Research**, 37(6), p. 1753-1759, illus. incl. 1 table, 11 ref., June 2001.

56002603

Long, Antony (University of Durham, Department of Geography, Durham, United Kingdom).

Mid-Holocene sea-level change and coastal evolution: **Progress in Physical Geography**, 25(3), p. 399-408, 51 ref., September 2001.

56002604

Steig, Eric J. (University of Washington, Department of Earth and Space Sciences, Seattle, WA).

No two latitudes alike: **Science**, 293(5537), p. 2015-2016, illus., 9 ref., September 14, 2001.

56002605

Stenni, Barbara (University of Trieste, Department of Geological, Environmental and Marine Science, Trieste, Italy); Masson-Delmotte, Valerie; Johnsen, Sigfus; Jouzel, Jean; Longinelli, Antonio; Monnin, Eric; Röthlisberger, Regine and Selmo, Enrico.

An oceanic cold reversal during the last deglaciation: **Science**, 293(5537), p. 2074-2077, illus. incl. sketch map, 33 ref., September 14, 2001.

56002606

Sachs, Julian P. (Massachusetts Institute of Technology, Department of Earth, Atmospheric and Planetary Sciences, Cambridge, MA); Anderson, Robert F. and Lehman, Scott J.

Glacial surface temperatures of the Southeast Atlantic Ocean: **Science**, 293(5537), p. 2077-2079, illus., 40 ref., September 14, 2001.

56002607

Gultepe, Ismail (Meteorological Service of Canada, Toronto, ON, Canada); Isaac, G. A. and Cober, S. G.

Ice crystal number concentration versus temperature for climate studies: **International Journal of Climatology**, 21(10), p. 1281-1302, illus. incl. 4 tables, 1 plate, 77 ref., August 2001. Includes appendices.

56002608

Wu Naiqin (Chinese Academy of Sciences, Beijing, China); Rousseau, D. D.; Liu Tungsheng; Lu Houyuan; Gu Zhaoyan; Guo Zhengtang and Jiang Wenyi.
Orbital forcing of terrestrial mollusks and climate changes from the Loess Plateau of China during the past 350 ka: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,045-20,054, illus. incl. 1 table, geol. sketch map, 53 ref., September 16, 2001.

56002609

Chamberlin, Richard A. (California Institute of Technology, Submillimeter Observatory, Hilo, HI).
South Pole submillimeter sky opacity and correlations with radiosonde observations: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,101-20,113, illus. incl. 7 tables, 30 ref., September 16, 2001.

56002610

Rind, D. (Columbia Center for Climate Systems Research, New York, NY); Chandler, M.; Lerner, J.; Martinson, D. G. and Yuan, X.
Climate response to basin-specific changes in latitudinal temperature gradients and implications for sea ice variability: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,161-20,173, illus. incl. 2 tables, geol. sketch maps, 46 ref., September 16, 2001.

56002611

Rind, D. (NASA, Goddard Space Flight Center, Institute for Space Studies, New York, NY); Chandler, M.; Lonergan, P. and Lerner, J.
Climate change and the middle atmosphere; 5, Paleostratosphere in cold and warm climates: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,195-20,212, illus. incl. 27 plates, 4 tables, geol. sketch maps, 27 ref., September 16, 2001.

56002612

Hung, Hui-Ming (Harvard University, Cambridge MA) and Martin, Scot T.
Apparent freezing temperatures modeled for several experimental apparatus: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,379-20,394, illus. incl. 3 tables, 33 ref., September 16, 2001.

56002613

Dash, J. G. (University of Washington, Department of Physics, Seattle, WA); Mason, B. I. and Wetlaufer, J. S.
Theory of charge and mass transfer in ice-ice collisions: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,395-20,402, illus., 56 ref., September 16, 2001.

56002614

Bräunlich, Maya (Max Planck Institute for Chemistry, Mainz, Federal Republic of Germany); Abalain, Olivier; Marik, Thomas; Jöckel, Patrick; Brenninkmeijer, Carl A. M.; Chappellaz, Jerome; Barnola, Jean-Marc; Mulvaney, Robert and Sturges, William T.
Changes in the global atmospheric methane budget over the last decades inferred from ^{13}C and D isotopic analysis of Antarctic firn air: **Journal of Geophysical Research, D, Atmospheres**, 106(17), p. 20,465-20,481, illus., 45 ref., September 16, 2001.

56002615

Stichler, W. (GSF-Institute for Hydrology, Neuherberg, Federal Republic of Germany); Schotterer, U.; Fröhlich, K.; Ginot, P.; Kull, C.; Gäggeler, H. and Pouyaud, B.

Influence of sublimation on stable isotope records recovered from high-altitude glaciers in the tropical Andes: **Journal of Geophysical Research, D, Atmospheres**, 106(19), p. 22,613-22,620, illus. incl. geol. sketch map, 22 ref., October 16, 2001.

56002616

van Bochove, E. (Agriculture and Agri-Food Canada, Soils and Crops Research and Development Centre, Sainte-Foy, PQ, Canada); Thériault, G. and Rochette, P.

Thick ice layers in snow and frozen soil affecting gas emissions from agricultural soils during winter: **Journal of Geophysical Research, D, Atmospheres**, 106(19), p. 23,061-23,071, illus. incl. 2 tables, 41 ref., October 16, 2001.

56002617

Buishand, T. Adri (Royal Netherlands Meteorological Institute, De Bilt, Netherlands) and Brandsma, Theo.

Multisite simulation of daily precipitation and temperature in the Rhine Basin by nearest-neighbor resampling: **Water Resources Research**, 37(11), p. 2761-2776, illus. incl. 9 tables, 42 ref., November 2001. Includes appendix.

56002618

Slaughter, Charles W. (U. S. Department of Agriculture, Northwest Watersheds Research Center, Boise, ID); Marks, Danny; Flerchinger, Gerald N.; Van Vactor, Steven S. and Burgess, Mike.

Thirty-five years of research data collection at the Reynolds Creek Experimental Watershed, Idaho, United States: *in* Reynolds Creek experimental watershed (Marks, Danny, prefacer), **Water Resources Research**, 37(11), p. 2819-2824, illus. incl. 1 table, 10 ref., November 2001.

56002619

Hanson, C. L. (U. S. Department of Agriculture, Northwest Watershed Research Center, Boise, ID).

Long-term precipitation database, Reynolds Creek Experimental Watershed, Idaho, United States: *in* Reynolds Creek experimental watershed (Marks, Danny, prefacer), **Water Resources Research**, 37(11), p. 2831-2834, illus. incl. 2 tables, 13 ref., November 2001.

56002620

Marks, Danny (U. S. Department of Agriculture, Northwest Watershed Research Center, Boise, ID); Cooley, Keith R.; Robertson, David C. and Winstral, Adam.

Long-term snow database, Reynolds Creek Experimental Watershed, Idaho, United States: *in* Reynolds Creek experimental watershed (Marks, Danny, prefacer), **Water Resources Research**, 37(11), p. 2835-2838, illus. incl. 1 table, 19 ref., November 2001.

56002621

Hanson, C. L. (U. S. Department of Agriculture, Northwest Watershed Research Center, Boise, ID); Marks, Danny and Van Vactor, Steven S.

Long-term climate database, Reynolds Creek Experimental Watershed, Idaho, United States: *in* Reynolds Creek experimental watershed (Marks, Danny, prefacer), **Water Resources Research**, 37(11), p. 2839-2841, 2 tables, 8 ref., November 2001.

56002622

Seyfried, M. S. (U. S. Department of Agriculture, Northwest Watershed Research Center, Boise, ID); Hanson, C. L.; Murdock, M. D. and Van Vactor, Steven S.
Long-term lysimeter database, Reynolds Creek Experimental Watershed, Idaho, United States: *in* Reynolds Creek experimental watershed (Marks, Danny, prefacer), **Water Resources Research**, 37(11), p. 2853-2856, illus. incl. 1 table, 11 ref., November 2001.

56002623

Neilsen, Caroline B. (Brown University, Center for Environmental Studies, Providence, RI); Groffman, Peter M.; Hamburg, Steven P.; Driscoll, Charles T.; Fahey, Timothy J. and Hardy, Janet P.
Freezing effects on carbon and nitrogen cycling in northern hardwood forest soils: **Soil Science Society of America Journal**, 65(6), p. 1723-1730, illus. incl. 4 tables, 44 ref., December 2001. WWW. Accessed on Feb. 13, 2002; Hubbard Brook Ecosystem Study Contrib. <http://soil.scijournals.org/cgi/content/abstract/65/6/1723> CRREL Report No: ERDC/CRREL MP-02-5797

56002624

Muhs, D. R. (U. S. Geological Survey, Denver, CO); Bettis, E. A., III; Been, J. and McGeehin, J. P.
Impact of climate and parent material on chemical weathering in loess-derived soils of the Mississippi River valley: **Soil Science Society of America Journal**, 65(6), p. 1761-1777, illus. incl. strat. cols., 1 table, geol. sketch map, 51 ref., December 2001. WWW. Accessed on Feb. 13, 2002.
<http://soil.scijournals.org/cgi/content/abstract/65/6/1761>

56002625

Arnalds, O. (Agricultural Research Institute, Reykjavik, Iceland) and Kimble, J.
Andisols of deserts in Iceland: **Soil Science Society of America Journal**, 65(6), p. 1778-1786, illus. incl. 6 tables, geol. sketch map, 43 ref., December 2001. WWW. Accessed on Feb. 13, 2002.
<http://soil.scijournals.org/cgi/content/abstract/65/6/1778>

56002626

Lewkowicz, Antoni G. (University of Ottawa, Centre for Research on Cold Environments, Ottawa, ON, Canada) and Kokelj, Steven V.
Slope sediment yield in arid lowland continuous permafrost environments, Canadian Arctic Archipelago: **Catena (Giessen)**, 46(4), p. 261-283, illus. incl. 5 tables, geol. sketch maps, 48 ref., February 1, 2002. Natural Resources Canada, Polar Continental Shelf Proj. (PCSP) Contrib. No. 01-012.

56002627

Frey, Darcy.
George Divoky's planet: **The New York Times Magazine**, January 6, 2002, p. 24-33, 47, 50, 54-55, illus., January 6, 2002.

56002628

Pedde, Derek R. (University of Lethbridge, Department of Geography, Lethbridge, AB, Canada) and Ferguson, David T.
Optimisation of multisource data analysis; an example using evidential reasoning for GIS data classification: **Computers & Geosciences**, 28(1), p. 45-52, 32 ref., February 2002.

56002629

Wright, Dennis G. (Fisheries and Oceans Canada, Central and Arctic Region, Winnipeg, MB, Canada).

Proposed guidelines to assist the geophysical exploration industry in meeting the requirements of Canada's Fisheries Act: *in Geophysics and the environment; proceedings of the TLE forum II* (Liner, Chris, chairperson), **The Leading Edge (Tulsa, OK)**, 21(1), p. 72-74, illus. incl. 3 tables, geol. sketch map, January 2002. *Meeting:* SGE annual meeting, Sept. 11, 2001, San Antonio, TX.

56002630

Falkowska, Ewa (Warsaw University, Warsaw, Poland).

Regularities in the occurrence of protection zones in polygenetic river valleys from the eastern part of the Polish Lowlands: **Acta Geologica Polonica**, 51(2), p. 163-192, illus. incl. 5 tables, 61 ref., 2001.

56002631

Sommaruga, Ruben (University of Innsbruck, Institute of Zoology and Limnology, Innsbruck, Austria) and Psenner, Roland, editors.

High-mountain lakes and streams; indicators of a changing world: **Arctic, Antarctic, and Alpine Research**, 33(4), p. 383-492, illus., November 2001. *Meeting:* International symposium, Sept. 4-8, 2000, Innsbruck, Austria. Individual papers are cited separately.

56002632

Kääb, A. (University of Zurich, Department of Geography, Zurich, Switzerland) and Haeberli, W.

Evolution of a high-mountain thermokarst lake in the Swiss Alps: *in High-mountain lakes and streams; indicators of a changing world* (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 385-390, illus. incl. geol. sketch maps, 25 ref., November 2001. *Meeting:* International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002633

Leydecker, Al (University of California at Santa Barbara, Donald Bren School of Environmental Science and Management, Santa Barbara, CA); Sickman, James O. and Melack, John M.

Spatial scaling of hydrological and biogeochemical aspects of high-altitude catchments in the Sierra Nevada, California, U.S.A.: *in High-mountain lakes and streams; indicators of a changing world* (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 391-396, illus. incl. geol. sketch map, 16 ref., November 2001. *Meeting:* International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002634

Williams, Mark W. (University of Colorado, Department of Geography and Institute of Arctic and Alpine Research, Boulder, CO); Hood, Eran W.; Ostberg, Gustav; Francou, Bernard and Galarraga, Remigio.

Synoptic survey of surface water isotopes and nutrient concentrations, Páramo high-evolution region, Antisana Ecological Reserve, Ecuador: *in High-mountain lakes and streams; indicators of a changing world* (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 397-403, illus. incl. 1 table, geol. sketch map, 44 ref., November 2001. *Meeting:* International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002635

Kamenik, Christian (Austrian Academy of Sciences, Institute of Limnology, Mondsee, Austria); Schmidt, Roland; Kum, Georg and Psenner, Roland.

The influence of catchment characteristics on the water chemistry of mountain lakes: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 404-409, illus. incl. 6 tables, sketch map, 25 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002636

Ohlendorf, Christian (Swiss Federal Institute of Environmental Science and Technology (EAWAG), Dubendorf, Switzerland) and Sturm, Michael.

Precipitation and dissolution of calcite in a Swiss high alpine lake: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 410-417, illus. incl. 1 table, 29 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002637

Anderson, N. J. (University of Copenhagen, Department of Geography, Copenhagen, Denmark); Harriman, R.; Ryves, D. B. and Patrick, S. T.

Dominant factors controlling variability in the ionic composition of West Greenland lakes: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 418-425, illus. incl. 3 tables, geol. sketch map, 20 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002638

Reche, I. (Universidad de Granada, Instituto del Agua, Granada, Spain); Pulido-Villena, E.; Conde-Porcuna, J. M. and Carrillo, P.

Photoreactivity of dissolved organic matter from high-mountain lakes of Sierra Nevada, Spain: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 426-434, illus. incl. 3 tables, 51 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002639

Noda, Takeshi (Natural Institute of Agro-Environmental Sciences, Ibaraki, Japan); Onodera, Shin'ichi; Hirose, Takashi and Naruoka, Tomohiro.

Sediment yield variation in small catchments with different bedrock in a humid temperate region: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 435-439, illus. incl. 2 tables, 7 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002640

Zah, Rainer (EMPA, Department of Ecology, Saint Gallen, Switzerland); Niederost, Markus; Rinderspacher, Heiko; Uehlinger, Urs and Ward, J. V.

Long-term dynamics of the channel network in a glacial floodplain, Val Roseg, Switzerland: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 440-446, illus. incl. 2 tables, sketch map, 22 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002641

Hieber, Mäggi (EAWAG/ETH, Department of Limnology, Dubendorf, Switzerland); Robinson, Christopher T.; Rushforth, Samuel R. and Uehlinger, Urs.

Algal communities associated with different alpine stream types: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 447-456, illus. incl. 3 tables, geol. sketch map, 30 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002642

Malard, Florian (Université Claude Bernard-Lyon I, Ecologie des Hydrosystèmes Fluviaux, Villeurbanne, France); Lamont, Michel; Burgherr, Peter and Ward, J. V.

A comparison of longitudinal patterns in hyporheic and benthic oligochaete assemblages in a glacial river: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 457-466, illus. incl. 2 tables, geol. sketch map, 47 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002643

Winder, Monika (EAWAG/ETH, Department of Limnology, Dubendorf, Switzerland); Monaghan, Michael T. and Spaak, Piet.

Have human impacts changed alpine zooplankton diversity over the past 100 years?: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 467-475, illus. incl. 3 tables, sketch maps, 41 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002644

Borgstrom, Reidar (Agricultural University of Norway, Department of Biology and Nature Conservation, As, Norway).

Relationship between spring snow depth and growth of brown trout, *Salmo trutta*, in an alpine lake; predicting consequences of climate change: *in* High-mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 476-480, illus. incl. sketch map, 26 ref., November 2001. *Meeting*: International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002645

Peeters, Frank (Swiss Federal Institute of Environmental Science and Technology (EAWAG), Water Resources Department, Dubendorf, Switzerland); Livingstone, David M.; Goudsmit, Gerrit-Hein; Kipfer, Rolf and Forster, Richard.

Modeling 50 years of historical temperature profiles in a large Central European lake: **Limnology and Oceanography**, 47(1), p. 186-197, illus. incl. sketch map, 41 ref., January 2002.

56002646

Tockner, Klement (EAWAG/ETH, Department of Limnology, Dubendorf, Switzerland); Malard, Florian; Uehlinger, Urs and Ward, J. V.

Nutrients and organic matter in a glacial river-floodplain system (Val Roseg, Switzerland): **Limnology and Oceanography**, 47(1), p. 266-277, illus. incl. 6 tables, sketch maps, 54 ref., January 2002.

56002647

Rautio, Milla (University of Helsinki, Department of Ecology and Systematics, Helsinki, Finland) and Korhola, Atte.

UV-induced pigmentation in subarctic Daphnia: **Limnology and Oceanography**, 47(1), p. 295-299, illus. incl. sketch map, 24 ref., January 2002.

56002648

Unnikrishna, Padinare V. (PBS&J, Dallas, TX); McDonnell, Jeffrey J. and Kendall, Carol.
Isotope variations in a Sierra Nevada snowpack and their relation to meltwater: **Journal of Hydrology**, 260(1-4), p. 38-57, illus. incl. 3 tables, 71 ref., March 15, 2002.

56002649

Wilson, Peter (University of Ulster at Coleraine, School of Biological and Environmental Sciences, Coleraine, United Kingdom).

Morphology and significance of some Loch Lomond Stadial moraines in the south-central Lake District, England: **Proceedings of the Geologists' Association**, 113, Part 1, p. 9-21, illus. incl. 1 table, geol. sketch map, 36 ref., January 2002.

56002650

Rose, J. (University of London, Department of Geography, Egham, United Kingdom); Candy, I.; Moorlock, B. S. P.; Wilkins, H.; Lee, J. A.; Hamblin, R. J. O.; Lee, J. R.; Riding, J. B. and Morigi, A. N.

Early and early middle Pleistocene river, coastal and neotectonic processes, Southeast Norfolk, England: **Proceedings of the Geologists' Association**, 113, Part 1, p. 47-67, illus. incl. sect., strat. cols., 3 tables, geol. sketch maps, 51 ref., January 2002.

56002651

Straw, A. (University of Exeter, Exeter, United Kingdom); Harrison, Stephan; Anderson, Ed and Passmore, David.

"A small glacial cirque basin on Exmoor, Somerset", and "Further glacial tills on Exmoor, Southwest England; implications for small ice cap and valley glaciation": **Proceedings of the Geologists' Association**, 113, Part 1, p. 69-72, 5 ref., January 2002. For reference to original see Harrison, S., et. al., Proceedings of the Geologists' Association, Vol. 109, p. 149-158, 1998, and Harrison, S., et. al., Proceedings of the Geologists' Association, Vol. 112, p. 1-5, 2001; for reference to comment and reply, see Prudden, H., Harison, S., et al., Proceedings of the Geologists' Association, Vol. 112, p. 285-287, 2001.

56002652

Wolfe, Alexander P. (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada).

Climate modulates the acidity of Arctic lakes on millennial time scales: **Geology (Boulder)**, 30(3), p. 215-218, illus. incl. 1 table, sketch map, 27 ref., March 2002.
<http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=03&page=0215>

56002653

Kovanen, D. J. (University of British Columbia, Department of Earth and Ocean Sciences, Vancouver, BC, Canada) and Easterbrook, D. J.

Paleodeviations of radiocarbon marine reservoir values for the Northeast Pacific: **Geology (Boulder)**, 30(3), p. 243-246, illus. incl. 3 tables, sketch map, 31 ref., March 2002. With GSA Data Repository Item 2002020.

<http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=03&page=0243>

56002654

Hoffman, Paul F. (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); Halverson, Galen P.; Grotzinger, John P.; Kennedy, Martin J.; Christie-Blick, Nicholas and Sohl, Linda E.

Are Proterozoic cap carbonates and isotopic excursions a record of gas hydrate destabilization following Earth's coldest intervals?; discussion and reply: **Geology (Boulder)**, 30(3), p. 286-288, 13 ref., March 2002. Discussion is with GSA Data Repository Item 2002026; for reference to original see Kennedy, M. J., et al., *Geology* (Boulder), Vol. 29, p. 443-446, 2001.

<http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=03&page=0286>

56002655

Kłysz, Piotr.

Faza pomorska ostatniego zlodowacenia na Pojezierzu Drawskim [Pomeranian phase of the last glaciation in the Drawskie Lakeland]: **Przeglad Geograficzny**, 73(1-2), p. 3-24 (English sum.), illus. incl. 3 tables, 75 ref., 2001.

56002656

Lindner, Leszek (Uniwersytet Warszawski, Warsaw, Poland).

Problemy wieku i zasiegu lądolodów skandynawskich u brzegu polskich Karpat [Problems concerning the age and extent of the Scandinavian glaciations at the margin of the Polish Carpathians]: **Przeglad Geologiczny**, 49(9), p. 819-821 (English sum.), illus. incl. 1 table, 32 ref., 2001.

56002657

Banaszuk, Henryk (Politechnika Białostocka, Białystok, Poland).

O zasiegu zlodowacenia Wisły w Polsce polnocno-wschodniej na podstawie badań geomorfologicznych i termoluminescencyjnych [The range of the Vistula glaciation in northeastern Poland, based on geomorphology and thermoluminescence]: **Przeglad Geograficzny**, 73(3), p. 281-305 (English sum.), illus. incl. 1 table, 31 ref., 2001.

56002658

Stephan, Hans-Jürgen (Landesamt für Natur und Umwelt des Landes Schleswig-Holstein, Flintbek, Federal Republic of Germany).

The young Baltic advance in the western Baltic Depression: **Kwartalnik Geologiczny**, 45(4), p. 359-363, illus. incl. 1 table, 38 ref., 2001.

56002659

Lindner, Leszek (Warsaw University, Warsaw, Poland); Marciniak, Barbara; Sanko, Alexander F. and Khursevich, Galina K.

The age of the oldest Scandinavian glaciations in mid-eastern Poland and southwestern Belarus: **Kwartalnik Geologiczny**, 45(4), p. 373-386, illus., 73 ref., 2001.

56002660

Corbisier, Thais Navajas.

Comunidades bentonicas da zona costeira rasa da Enseada Martel; efeito do gelo sobre sua distribuicao, estudo da trama trofica e comunidade fital [Benthic communities of the coastal zone of Martel Inlet; effect of ice on its distribution, study of trophic net and phyto-community]:

Informativo - Comissao Interministerial para os Recursos do Mar (CIRM), 13(1), p. 10, 2001.

56002661

Manzoni, Marcello.

La natura dell'Antartide [The nature of Antarctica]: Springer, Milan, Italy, 346 p., illus., 2001. ISBN: 8847001129.

56002662

Bjorck, Svante and Ingolfsson, Olafur.

Senkvarter glaciations och climathistoria pao Antarktiska halvon; i sallskap med orkaner och elefantsalar [Late Quaternary glaciations and climate history on the Antarctic Peninsula; with hurricanes and elephant seals]: *in* Antarktanderna; Svensk forskning i Otto Nordenskjolds fotspao, **Ymer**, 121, p. 153-167, illus., 2001.

56002663

Rosqvist, Gunhild.

Sydgeorgien [South Georgia]: *in* Antarktanderna; Svensk forskning i Otto Nordenskjolds fotspao, **Ymer**, 121, p. 169-181, illus., 2001.

56002664

Holmlund, Per.

Shelfisarna kring Weddellhavet [Shelf ice around the Weddell Sea]: *in* Antarktanderna; Svensk forskning i Otto Nordenskjolds fotspao, **Ymer**, 121, p. 183-191, illus., 2001.

56002665

Behar, Alberto; Carsey, Frank; Lane, Arthur and Engelhardt, Hermann.

The Antarctic ice borehole probe: *in* 2001 IEEE aerospace conference; proceedings, Institute of Electrical and Electronics Engineers, Piscataway, NJ, p. 325-330, illus., 2001. *Meeting:* Mar. 10-17, 2001, Big Sky, MT.

56002666

de Zafra, Robert (State University of New York, Institute for Terrestrial and Planetary Atmospheres, Stony Brook, NY) and Smyshlyayev, Sergei P.

On the formation of HNO₃ in the Antarctic mid to upper stratosphere in winter: **Journal of Geophysical Research, D, Atmospheres**, 106(19), p. 23,115-23,125, illus. incl. 1 plate, 50 ref., October 16, 2001.

56002667

Ponel, Philippe (IMEP, Laboratoire de Botanique Historique et Palynologie, Marseilles, France); Parchoux, Frank; Andrieu-Ponel, Valérie; Juhasz, Imola and de Beaulieu, Jacques-Louis.

A late-glacial-Holocene fossil insect succession from Vallée des Merveilles, French Alps, and its paleoecological implications: *in* High-Mountain lakes and streams; indicators of a changing world (Sommaruga, Ruben, editor; *et al.*), **Arctic, Antarctic, and Alpine Research**, 33(4), p. 481-484, illus. incl. 1 table, sketch map, 13 ref., November 2001. *Meeting:* International symposium, Sept. 4-8, 2000, Innsbruck, Austria.

56002668

Boltintsev, V. B. (GeoDiZond, Russian Federation); Il'iakhin, V. N. and Deryabin, O. N.

Primenenie radiolokatsii v geologicheskikh i inzhenernykh izyskaniakh [Application of radiolocation during geological and engineering surveys]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(6), p. 23-24, illus., 1999.

56002669

Vincent, Warwick F. (Université Laval, Département de Biologie et Centre d'Etudes Nordiques, Laval, PQ, Canada).

Polar desert ecosystems in a changing climate; a north-south perspective: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 3-14, illus. incl. 1 table, sketch map, 39 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002670

Bodeker, Greg (National Institute of Water and Atmospheric Research, Lauder, New Zealand).

UV radiation in polar regions: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 23-42, illus. incl. sketch map, 34 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002671

Campbell, D. I. (University of Waikato, Department of Earth Sciences, Hamilton, New Zealand); MacCulloch, R. J. L. and Campbell, I. B.

Thermal regimes of some soils in the McMurdo Sound region, Antarctica: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 45-55, illus. incl. 4 tables, geol. sketch map, 13 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002672

Wharton, D. A. (University of Otago, Department of Zoology, Dunedin, New Zealand).

Survival of low temperatures by the Antarctic nematode *Panagrolaimus davidi*: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 57-60, 20 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002673

Wynn-Williams, D. D. (British Antarctic Survey, Cambridge, United Kingdom); Russell, N. C. and Edwards, H. G. M.

Moisture and habitat structure as regulators for microalgal colonists in diverse Antarctic terrestrial habitats: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 77-88, illus. incl. 3 tables, 31 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002674

Ellis-Evans, J. Cynan (British Antarctic Survey, Cambridge, United Kingdom).

Micro-scale distribution of photoautotrophic micro-organisms in relation to light, temperature in Antarctic lithosols: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 89-101, illus. incl. 1 table, sketch map, 25 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002675

Schroeter, B. (Universität Kiel, Botanisches Institut, Kiel, Federal Republic of Germany); Kappen, L.; Green, T. G. A. and Seppelt, R. D.

Lichens and the Antarctic environment; effects of temperature and water availability of photosynthesis: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 103-117, illus., 38 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002676

Smith, R. I. Lewis (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom).

Oases as centres of high plant diversity and dispersal in Antarctica: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 119-128, illus. incl. 3 tables, 35 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002677

Skotnicki, M. L. (University of Waikato, Department of Biological Sciences, Hamilton, New Zealand); Selkirk, P. M. and Dale, T. M.

RAPD profiling of genetic variation in Antarctic mosses: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 129-136, illus., 13 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002678

Niyogi, Dev K. (U. S. Geological Survey, Denver, CO); Tate, Cathy M.; McKnight, Diane M.; Duff, John H. and Alger, Alex S.

Species composition and primary production of algal communities in dry valley streams in Antarctica; examination of the functional role of biodiversity: *in Ecosystem processes in Antarctic ice-free landscapes* (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 171-179, illus. incl. sketch map, 16 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002679

Moorhead, Daryl L. (Texas Tech University, Lubbock, TX); Davis, W. Shane and Wharton, Robert A.

Carbon dynamics of aquatic microbial mats in the Antarctic dry valleys; a modelling synthesis: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 181-196, illus. incl. 5 tables, 44 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002680

Timperley, Michael H. (National Institute of Water and Atmospheric Research, Auckland, New Zealand).

A simple temperature-based model for the chemistry of melt-water ponds in the Darwin Glacier area, 80°S: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 197-206, illus. incl. 3 tables, sketch map, 20 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002681

Laybourn-Parry, Johanna (University of Nottingham, Department of Physiology and Environmental Sciences, Loughborough, United Kingdom).

The microbial loop in Antarctic lakes: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 231-240, illus. incl. 3 tables, 18 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002682

Kepner, R. L., Jr. (Desert Research Institute, Reno, NV); Wharton, R. A., Jr. and Galchenko, V.

The abundance of planktonic virus-like particles in Antarctic lakes: *in* Ecosystem processes in Antarctic ice-free landscapes (Lyons, W. Berry, editor; *et al.*), A.A. Balkema, Rotterdam, Netherlands, p. 241-250, illus. incl. 2 tables, 34 ref., 1997. *Meeting:* International workshop on Polar desert ecosystems, July 1-4, 1996, Christchurch, New Zealand.

56002683

van Lipzig, Nicole P. M.

The surface mass balance of the Antarctic ice sheet; a study with a regional atmospheric model: Universal Press, Utrecht, Netherlands, 154 p., illus. incl. tables, 1999. ISBN: 9039322082.

56002684

World Climate Research Programme.

International Programme for Antarctic Buoys (IPAB); report of the second session of programme participants: World Climate Research Programme, International, 82 p., illus. incl. tables, 1999. *Meeting:* May 11-13, 1998, Naples, Italy. Individual papers within scope are cited separately.

56002685

Wilkinson, Jeremy P. and Wadhams, Peter.

Pancake drifting buoys: *in* International Programme for Antarctic Buoys (IPAB); report of the second session of programme participants (World Climate Research Programme), World Climate Research Programme, International, p. D6, 1-4, illus. incl. tables, 1999. *Meeting:* May 11-13, 1998, Naples, Italy.

56002686

Drinkwater, Mark R.; Liu, Xiang; Maslanik, Jim and Fowler, Chuck.

Optimal analysis products combining buoy trajectories and satellite-derived ice-drift fields: *in International Programme for Antarctic Buoys (IPAB); report of the second session of programme participants (World Climate Research Programme), World Climate Research Programme, International*, p. F, 1-4, 1999. *Meeting:* May 11-13, 1998, Naples, Italy.

56002687

Matsuyama, Hiroshi (Tokyo Metropolitan University, Tokyo, Japan).

Applicability of the separation of the urban climatic component and natural variability in Siberia based on the seasonal variations of temperature anomalies: *in Special issue in honor of Professor Michio Nogami (Masuda, Kooiti, prefacer; et al.), Geographical Reports of Tokyo Metropolitan University*, 35, p. 11-20, illus. incl. 2 tables, 5 ref., 2000.

56002688

Umemoto, Tohru (Meiji University, Department of Geography, Meiji, Japan).

Map-based elevation of the upper forest limits in Troms, northwestern Norway: *in Special issue in honor of Professor Michio Nogami (Masuda, Kooiti, prefacer; et al.), Geographical Reports of Tokyo Metropolitan University*, 35, p. 31-39, illus. incl. 2 tables, 15 ref., 2000.

56002689

Hirakawa, Kazuomi (Hokkaido University, Sapporo, Japan); Nogami, Michio; Imaizumi, Toshifumi and Okada, Atumasa.

Some basic data on the Quaternary glaciation in the Chilean Lake District: *in Special issue in honor of Professor Michio Nogami (Masuda, Kooiti, prefacer; et al.), Geographical Reports of Tokyo Metropolitan University*, 35, p. 41-49, illus. incl. sketch maps, 8 ref., 2000.

56002690

Birkenmajer, Krzysztof (PAN, Institute of Geological Sciences, Poland).

Quaternary geology at Arctowski Station, King George Island, South Shetland Islands (West Antarctica): *in Geological results of the Polish Antarctic expeditions (Birkenmajer, Krzysztof, editor), Studia Geologica Polonica*, 110(12), p. 91-104 (Polish sum.), illus.; glacial geology map, 1:2,500, 18 ref., 1997.

56002691

Cannarella, Siro.

La scuola nazionale di alpinismo Emilio Comici in Val di Mello [The Emilio Comici National School of Alpinism in the Mello Valley]: *Alpi Giulie*, 93(2), p. 84-87, 1999.

56002692

Zhou, Xiaobing (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK) and Li, Shusun.

Summer and winter snow and sea ice surface spectral directional reflectance and albedo measured in the Ross Sea: *in Remote sensing of the system Earth; a challenge for the 21st century; IGARSS 99 proceedings (Stein, Tammy I., editor), International Geoscience and Remote Sensing Symposium*, 1999, Vol. 1, p. 104-106, illus., 6 ref., 1999. *Meeting:* IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

56002693

Cochran, J. Kirk (State University of New York at Stony Brook, Marine Sciences Research Center, Stony Brook, NY); Moran, S. Bradley; Fisher, Nicholas S.; Beasley, Thomas M. and Kelley, James M.

Sources and transport of anthropogenic radionuclides in the Ob River system, Siberia: **Earth and Planetary Science Letters**, 179(1), p. 125-137, illus. incl. 1 table, sketch maps, 27 ref., June 15, 2000.